YEARBOOK 1980 - 1983 WESTERN DELTA

DISCHARGE AND CHEMICAL COMPOSITION DRAINAGE WATER

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DISCHARGE AND CHEMICAL COMPOSITION DRAINAGE WATER

PROJECT TEAM

REPORT 10

DRAINAGE RESEARCH INSTITUTE, GIZA, EGYPT (DRI)

INSTITUTE FOR LAND AND WATER MANAGEMENT RESEARCH (ICW)
P.O. BOX 35, 6700 AA WAGENINGEN, The Netherlands (1986)

PREFACE:

The 'Reuse of Drainage Water Project' is a joint activity of the technical agencies:

Drainage Research Institute (DRI), Giza/Cairo-Egypt
and
Institute for Land and Water Management Research (ICW), Wageningen, The Netherlands.

The Project is funded by the Ministry of Irrigation of Egypt and by the Ministry of Foreign Affairs of the Netherlands in the framework of the joint programme of Technical Cooperation between Egypt and the Netherlands.

The Advisory Panel for Land Drainage in Egypt acts as steering committee.

The results of studies, carried out in the 'Reuse of Drainage Water Project', will be presented in premilinary reports and in a final report. As such the contents of preliminary reports can vary strongly, from a simple presentation of data to a discussion of research results with tentative conclusions.

All opinions, conclusions and recommendations in these reports are those of the cooperating Institutes, and not of the Ministry of Irrigation of Egypt or the Ministry of Foreign Affairs of the Netherlands.

Reuse Project team

Project Directors

Dr. Mohamed Mahmoud Gasser (DRI)
Dr. P.E. Rijtema (ICW)

Senior Staff

Dr. Samia Mahmoud Saad Eddin El Guindy
Dr. Dia Eddin Ahmed Hussein El Quesi

Resident Team, ICW

Ir. D. Boels
Ir. M. Maaskant
Ir. H.J.M. Bijnsdorp
Ir. M.F.R. Smit

Staff, DRI

Dr. Mohamed Ahmed Abdel Khalik
Dr. Shadin Abdel Gawad
Eng. Ahmed Mohamed Morsi
Eng. Adel Abdel Rashid Soleiman
Eng. Mohamed Ezzet Hassan
Eng. Mohamed Ibrahim Lashin
Eng. Magdi Abdel Nabbi
Eng. Nabil Fathy Kandil
Eng. Mohamed Saad Abbas
Eng. Mervet Mahmoud Mustafa El Guindy
Eng. Omayma Saad Shahin
Eng. Sumeya Mahmoud Abbas

Laboratory Staff

Eng. Laila Mahmoud Hassan El Sissy
Eng. Attiat Abou Bakr
Eng. Gamal Abdel Nasr Kamal
Eng. Samira Said Mahrous
Eng. Nasra Abdallah

C O N T E N T S

1. INTRODUCTION

The growing population of Egypt requires an increase in the production of food and fibres. It also requires new land to substitute land lost due to newly built housings and roads.

Four stratagies have been developed to meet the requirements. Among others, reuse of drainage water is a strategy to provide additional irrigation water for areas that will be reclaimed. In the five-year plan 1982-1987 for a total area of about 640,000 feddan (1 feddan = 0,42 ha) reclamation plans will be prepared, and a start will be made with the implementation.

The Re-use of Drainage Water Project aims to provide basic data, that can be used in the above mentioned planning. A measurement network has been established to provide these data. At drainage-catchment level, discharges and drainage waterquality are determined. Discharges from drainage pumping stations are provided by the Ministry of Irrigation. Calibrations of these pumping stations are part of the Reuse Project activities and provide data to calculate the discharges more accurately.

Discharges from areas drained by gravity are measured by appropriate methods, depending on a number of constraints. Water samples at the locations, shown in fig. 1 are regularly taken. The chemical composition is determined and water quality parameters are calculated.

The aim of this report is to present the basic data in a suitable form for the potential user. A short description of the procedures followed is included in this report.

The data are presented in two sections: in the first section are discharges salinities and parameters for the sodification hazards of irrigation with these waters. In the second section the monthly average chemical conposition is presented. Application of these data for different purposes is beyond the scope of this report.

The cooperating Institutes do not accept any responsibility for conclusions drawn on the basis of the data presented nor for the results of application of these data.

2. DATA ELABORATION

In this chapter an overview will be presented of the procedure of data elaboration. Two types of data are distinguished; discharges and chemical characteristics of the drainage water. Concerning the latter, the parameters given are the total dissolved salts, the electrical conductivity, the sodium adsorption ratio and the adjusted sodium adsorption ratio. These parameters are calculated as monthly avarages and weighted with respect to discharges.

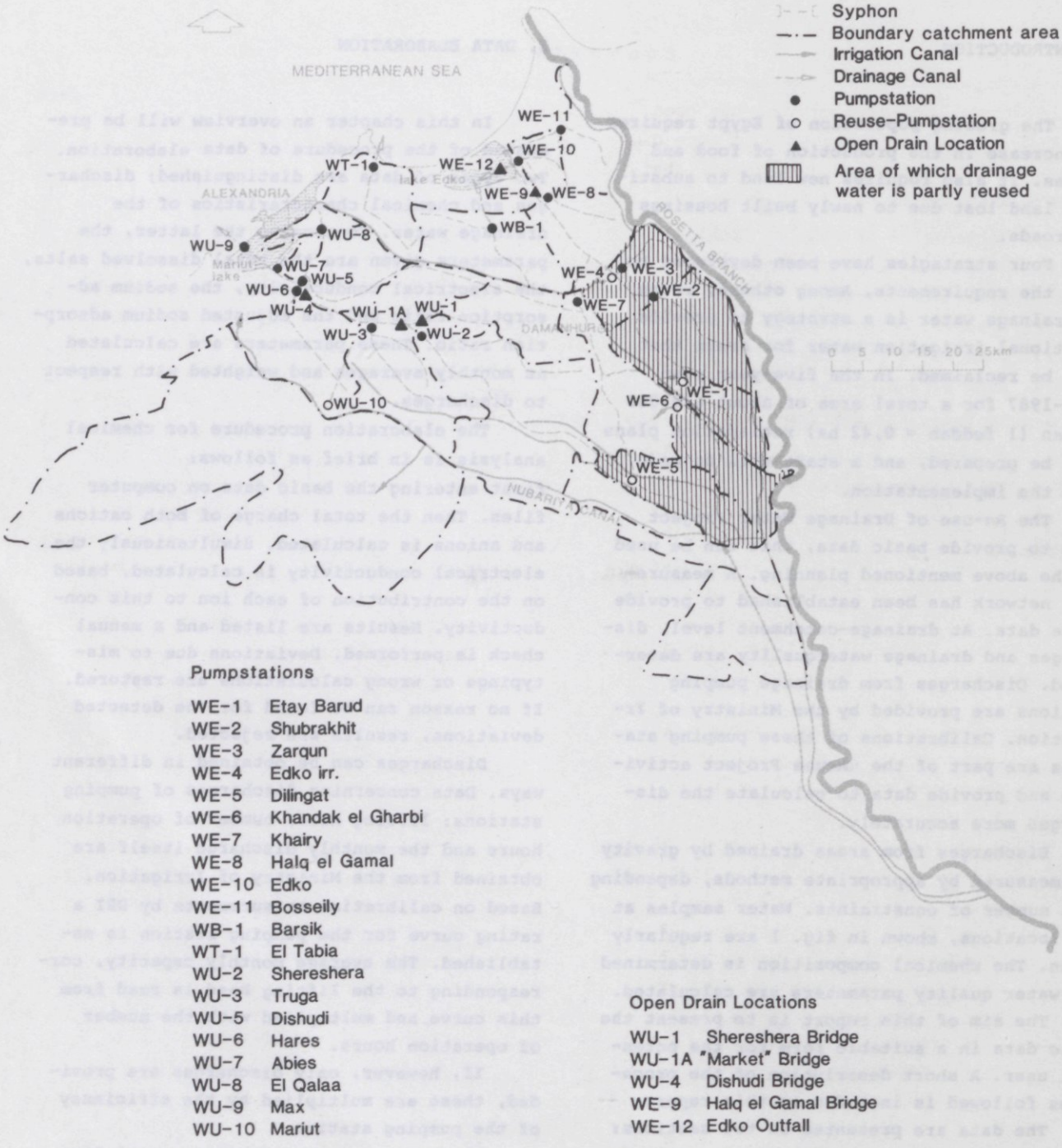
The elaboration procedure for chemical analysis is in brief as follows:
first entering the basic data on computer files. Then the total charge of both cations and anions is calculated. Simultaniously the electrical conductivity is calculated, based on the contribution of each ion to this conductivity. Results are listed and a manual check is performed. Deviations due to mistypings or wrong calculations are restored. If no reason can be found for the detected deviations, results are rejected.

Discharges can be obtained in different ways. Data concerning discharges of pumping stations: lifting head, number of operation hours and the monthly discharge itself are obtained from the Ministry of Irrigation. Based on calibration measurements by DRI a rating curve for the pumping station is established. The average monthly capacity, corresponding to the lifting head is read from this curve and multiplied with the number of operation hours.

If, however, only discharges are provided, these are multiplied by the efficiency of the pumping station.

Discharges at open drainage canal locations may have been determined by float-measurements, by pendulum, by current meter or through a stage discharge relation by measuring the water level.

These discharges are measured with certain time intervals. During these intervals the discharge is assumed to change linearly with time. The total discharge per month is obtained by integration with respect to time.



Pumpstations

WE-1	Etay Barud
WE-2	Shubrakhit
WE-3	Zarqun
WE-4	Edko irr.
WE-5	Dilingat
WE-6	Khandak el Gharbi
WE-7	Khairy
WE-8	Halq el Gamal
WE-10	Edko
WE-11	Bosseily
WB-1	Barsik
WT-1	El Tabia
WU-2	Shereshera
WU-3	Truga
WU-5	Dishudi
WU-6	Hares
WU-7	Abies
WU-8	El Qalaa
WU-9	Max
WU-10	Mariut

Open Drain Locations

WU-1	Shereshera Bridge
WU-1A	"Market" Bridge
WU-4	Dishudi Bridge
WE-9	Halq el Gamal Bridge
WE-12	Edko Outfall

Fig. 1. General view of the network in the Western Delta

2.1. Calibration of pumping stations

For each pump unit the relationship between lifting head and discharge has been determined. During the measurement a more or less steady state situation does exist. The water levels at the suction- and delivery side are measured just before and after the discharge measurements.

Discharges are determined, using the current meter, for which a relation is available between the flow velocity and the rotation rate of the meter. Regularly this relation is recalibrated by the Hydraulic Research Institute at the Delta Barrage.

The cross-section at the suction side is subdivided into a grid with meshes of $0,5 * 0,5\ m^2$. The velocity in each node is measured during 30 seconds. Multiplying this velocity with the representative area, gives its contribution to the total discharge.
In general at least three calibrations per pump unit are performed at lifting heads more or less representing the full range, at which the station is operating.

For the production of this yearbook all the calibration results of the pump units of each pumping station are combined and the best fitting curve is matched.

The average efficiency of a pumping station can be obtained by dividing its capacity, pertaining to the average lifting head, by the guarantee capacity. The guarantee capacity is used by the Ministry of Irrigation to calculate the total discharge from the number of operation hours. This capacity is more of less the capacity of new pumps, operating at average expected lifting heads.

2.2. Stage-discharge relations

The relationship between discharge and water level, the so called stage-discharge relation, can only exist under certain conditions. The first condition is steady state flow, where the slope of the energy line is identical to the slope of the bottom. If changes in discharge occur only very slowly, no significant deviations from the steady state conditions will occur.
A second condition is that the shape of the cross section is regular and the hydraulic roughness is almost constant.

The water level should not be affected by changing conditions downstream of the observation location.

If all conditions are fulfilled the discharge is a function of the waterdepth(LAMBIE, 1978)

$$Q = a.H^b \quad m^3.s^{-1}$$

In some cases H is not the real water depth, but some height above a lavel at which the discharge is zero. The constants a and b are derived from the calibration measurements. If not explicitely measured, the water level at which the discharge is zero, can be determined by curve-fitting.

The squared correlation coefficient should be higher than some minimum value, depending on the number of observations. A value of 0.95 is required when the number of observation is less than 5 and 0.90 when this number is less than 10 but more than 5 (ROEST, 1983). For practical applications this value must be higher than 0.5.

If no satisfactory squared correlation coefficient has been obtained, either backwater effects or non steady state conditions have been met.

The discharge at a certain date can now be determined by measuring the water level and reading the pertaining discharge from the stage-discharge curve.

2.3. Float measurements

Float measurement consists of the measurement of the flow velocity at the surface. In cases with regularly shaped cross-sections, the surface flow velocity at a certain point is related to the average flow velocity in the sub section.

In most cases the average velocity in the sub-section is about 85% of the surface velocity.
Measuring at a number of locations, at different distances from the banks the surface velocity, gives ultimately the total discharge at that location.

Floats can be subject to wind effects, giving deviating results. Applied under bridges with contracting stream lines, could give

erraneous results. Data from float-measurements should be considered tentatively.

2.4. Pendulum measurements

The principle of the pendulum meter is based on the force acting on resistance bodies, fixed in streaming water. The magnitude of this force, is closely related to the flow velocity and to the shape of the body. With pendulum measurements, a torpedo shaped body with two incinated rearwings is submerged. This body is connected to a wire and is hanging vertical if no velocity is present. The water velocity causes a deviation of the wire from the vertical position. The angle between the wire and the vertical is a measure for the velocity. For each type of body such a relation is available. Measuring at different depths, at different locations provides a velocity distribution in the cross-section and consequently a discharge at that moment.

2.5. Data checking chemical analysis

At the DRI-laboratory the concentration of Ca, Mg, Na, K, CO_3, HCO_3 and Cl has been determined. From the differnce in total charge of the cations and the anions, the concentration of SO_4, has been calculated. More over the EC and pH is measured.

Data checking includes first the calculation of the total charge of the anions and the cations. If typing errors during data entry occur, the sum of the charges is not zero.

A second check is obtained by calculating the electrical conductivity and comparing with the measured one.

Basis for this calculation is the assumption, that the EC of a solution, containing several different ions, is the sum of the contributions of the single ion. For the latter empirical relationships have been developed (ROEST, 1983). If the difference between calculated and measured EC is more than 10 %, an error may be assumed and the original data must be compared with the data entered. In case of deviations the entered data are restored, otherwise this set of data has been rejected for further elaboration.

2.6. Data presentation

For the pumping stations the discharge provided by the Ministry of Irrigation in million cubic meter per month has been included in the data presentation. The number of operation hours and average lifting head per month have been obtained.

Rating curves are available, whether supplied by the factory or from calibration measurements. If no calibrations are available the factory provided rating curve has been used. In other cases the guarantee capacity has been used or the average capacity from the calibration measurements.

To distinguish the different situations, a code is used to indicate the particular situation.

In table 1 the codes and the meaning of code has been listed.

Table 1. Codes and their meaning

Code	Description
11	- pump station; discharge known in hours of operation; calibration curve established
12	- pump station; discharge not known in hours; calibration curve established
13	- pump station; no calibration curve
21	- open drain; Hm measured; linear relation between discharge and Hm
22	- open drain; Hm measured; power curve relation between water depth and discharge
23	- open drain; float discharge measured; no good calibration relation available
24	- open drain or pump station; no discharge known or measured

For each location this code has been presented in the header, together with the name and code-name of the location, the year and the stage-discharge relation or rating curve. The square of the correlation coefficient is mentioned. The value of this item has been set to zero, in cases where no rating curve is available and in case the average capacity is used.

The total discharge per year is calculated only in those situations that data of all

months are available.

The same holds for the average water-quality parameters.

The discharges at open drainage canal locations have been calculated on a monthly basis. It has been assumed that the discharge rate in between two succeeding measurement dates changes linearly, with time. The course of the discharge rate is described by a polygon. The discharge per month has been obtained by integrating this polygon with respect to time, between the time boundaries, belonging to that particular month (see Fig. 2).

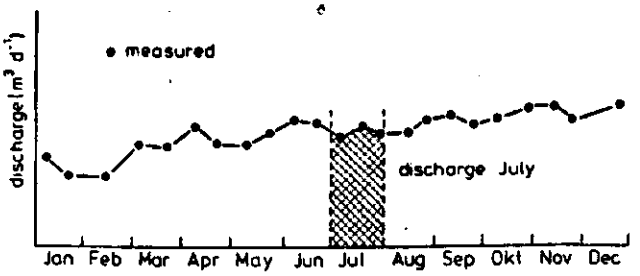


Fig. 2. Schematic presentation, determination discharge per month

The average waterquality per month is obtained in a similar way. In this case the concentration of each ion has been multiplied by the discharge rate and with the ionic load thus obtained, a polygon has been constructed. Again an integration per month has been done and the result has been divided by the monthly discharge. With the average composition of the drainage water obtained the waterquality parameters have been calculated.

The salinity, expressed in parts per million (ppm) has been calculated by multiplying the concentration of each ion (in meq.liter^{-1}) by its atomic weight, divided by its charge, and adding the results.

The cation composition of irrigation water determines its potential for sodium hazards for which the sodium adsorption ratio is a parameter.
This parameter has been defined as:

$$SAR = \frac{[Na]}{\sqrt{\{[Ca] + [Mg]\}.\ \frac{1}{2}}} \qquad (mmol^{\frac{1}{2}}l^{\frac{1}{2}})$$

In general four categories are used with limits 8, 12 and 18, where irrigation water having SAR > 18 is in general unsuitable for irrigation except at low salinity (ppm < 750) and using amendments.

A second parameter to classify the sodium hazard is the adjusted SAR. It has been defined as:

$$adj.SAR = SAR(9.4 - pH_c) \qquad (mmol^{\frac{1}{2}}l^{\frac{1}{2}})$$

where:

$$pHc = (pK'2 - pK'c) + p(Ca + Mg) + pALK$$

where p(Ca + Mg) and pALK are the negative value of the logarithm of the molar concentration of (Ca + Mg) and equivalent concentration of titratable base (CO_3 + HCO_3) respectively and pK'2 and pK'c are the negative value of the logarithms of the second dissociation constant of H_2CO_3 and of the solubility product of $CaCO_3$, respectively, both corrected for ionic strength. At pHc values less than 8.4 the soluable calcium tends to precipitate, while at values greater than 8.4 there is a tendency to dissolve lime (EL GUINDY, 1979).

Values of adj. SAR less than 6 do not cause permeability problems when irrigation water having that value is used. Problems increase when the value increases from 6 to 16 where values above 16 cause severe permeability problems.

Salinization hazards are classified by the total dissolved salt parameter, but are related to both drainage conditions and crop sensitivity. In general no problems have to be expected on poorly drained soils when the TDS is less than 750 ppm and when a normal irrigation is practiced.

3. DISCHARGES AND WATERQUALITY 1980-1983

3.1. Discharge, salinity and sodium hazard

LOCATION : WB01 BARSIQ PS YEAR : 1980 CODE : 11
Q = 4.340 - (0.640) * H ; QCAP = 2.740 HAV = 2.500

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	13.56	7.21	-	-	-	-
2	14.90	7.96	-	-	-	-
3	22.11	11.59	5.29	3406.	16.82	40.33
4	27.79	14.24	2.93	1817.	10.18	21.69
5	25.41	13.05	3.60	2181.	8.92	22.13
6	32.59	16.70	4.33	2915.	11.80	30.70
7	42.80	21.77	3.67	2471.	10.26	26.23
8	44.51	22.67	3.29	2121.	8.70	21.90
9	44.86	22.28	3.00	1960.	9.20	22.38
10	35.51	17.83	2.69	1739.	6.57	17.01
11	27.88	14.11	3.95	2741.	11.40	28.57
12	22.90	11.85	4.49	2914.	12.27	29.99
1980	354.82	181.26	-	-	-	-

LOCATION : WB01 BARSIQ PS YEAR : 1981 CODE : 11
Q = 4.340 - (0.640) * H ; QCAP = 2.740 HAV = 2.500

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	23.58	12.37	5.36	3660.	15.74	41.71
2	12.99	6.82	8.35	5547.	17.40	46.40
3	25.06	13.38	3.29	1952.	9.43	22.00
4	27.06	14.07	3.22	2091.	10.44	24.51
5	28.99	15.12	3.64	2406.	7.32	18.78
6	27.31	14.47	4.36	2930.	10.51	27.22
7	39.21	21.44	3.94	2452.	12.10	29.44
8	40.39	20.81	5.03	3283.	16.66	40.76
9	46.38	24.11	3.82	2489.	11.23	27.98
10	39.26	20.17	3.05	2010.	10.30	24.06
11	30.09	15.83	2.51	1606.	4.96	12.17
12	26.15	14.04	3.04	1933.	8.37	20.15
1981	366.47	192.64	3.92	2551.	11.03	27.33

LOCATION : WB01 BARSIQ PS YEAR : 1982 CODE : 11
Q = 4.340 - (0.640) * H ; QCAP = 2.740 HAV = 2.500

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	19.94	10.77	4.96	3088.	12.43	31.79
2	14.77	7.93	3.75	2223	9.13	22.84
3	21.60	11.59	3.01	1899.	11.71	26.08
4	27.68	15.24	3.03	1983	10.00	23.63
5	32.51	17.17	2.32	1511.	7.76	17.57
6	38.50	20.28	3.05	2054.	8.82	22.16
7	52.83	28.15	3.45	2270.	10.00	24.23
8	53.58	28.06	3.99	2615.	10.67	27.00
9	52.68	27.09	3.62	2352	11.98	28.47
10	41.66	21.44	2.68	1771.	8.16	19.31
11	33.68	17.47	-	-	-	-
12	24.46	12.94	4.73	2865.	11.18	28.56
1982	414.29	218.12	-	-	-	-

LOCATION : WB01 BARSIQ PS YEAR : 1983 CODE : 11
Q = 4.340 - (0.640) * H ; QCAP = 2.740 HAV = 2.500

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	22.28	11.83	-	-	-	-
2	12.20	6.52	7.95	4762.	18.33	47.53
3	19.49	10.40	4.05	2641.	11.51	27.48
4	31.62	17.81	2.86	1872.	9.28	20.99
5	35.63	18.88	2.40	1575.	10.01	21.74
6	46.87	26.05	-	-	-	-
7	52.85	30.85	3.84	2549.	12.53	28.26
8	51.60	29.06	3.81	2540.	13.28	31.28
9	49.97	28.66	2.88	1930.	8.86	21.09
10	44.34	22.99	3.06	2029.	8.71	21.32
11	33.30	17.65	2.97	1858.	6.99	16.82
12	32.48	17.50	2.54	1562.	6.75	14.81
1983	432.63	238.21	-	-	-	-

LOCATION : WE01 ETAY BARUD PS YEAR : 1980 CODE : 11
Q = 2.440 - (0.000) * H ; QCAP = 2.440 HAV = 3.900

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	5.40	5.02	-	-	-	-
2	3.70	3.58	-	-	-	-
3	8.16	7.73	2.61	1848.	1.76	5.10
4	6.42	6.20	1.74	1215.	3.05	7.37
5	6.88	6.56	1.17	787.	2.90	6.64
6	8.56	8.26	0.93	628.	2.27	4.77
7	9.99	9.93	1.05	721.	2.30	5.34
8	11.26	10.88	1.18	789.	2.36	5.65
9	10.29	9.85	1.26	879.	2.51	6.19
10	9.04	8.70	1.13	753.	1.69	4.14
11	5.41	5.14	1.73	1283.	5.39	13.05
12	4.88	4.65	1.46	1065.	4.41	10.35
1980	89.99	86.50	-	-	-	-

LOCATION : WE01 ETAY BARUD PS YEAR : 1981 CODE : 11
Q = 2.440 - (0.000) * H ; QCAP = 2.440 HAV = 3.900

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	3.47	3.22	2.46	1772	6.85	18.38
2	3.21	3.07	2.34	1498.	5.14	12.94
3	6.59	6.26	1.07	752.	3.68	7.70
4	5.81	5.53	0.92	607.	1.92	4.06
5	5.93	5.67	-	-	-	-
6	7.20	6.84	0.91	655.	4.29	8.55
7	8.54	8.46	1.32	871.	3.70	8.50
8	9.04	8.81	1.46	988.	4.09	9.53
9	9.48	9.07	1.32	914.	2.67	6.57
10	8.86	8.40	1.38	938.	4.27	9.68
11	7.40	7.06	1.02	720.	2.95	6.33
12	7.29	6.97	1.06	712.	2.82	6.21
1981	82.82	79.36	-	-	-	-

LOCATION : WE01 ETAY BARUD PS YEAR : 1982 CODE : 11
Q = 2.440 - (0.000) * H ; QCAP = 2.440 HAV = 3.900

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	5.63	5.31	2.24	1406.	5.37	13.74
2	2.05	1.96	-	-	-	-
3	6.23	5.90	1.48	947.	2.68	6.38
4	7.37	7.16	0.92	597.	2.46	5.28
5	8.32	8.17	0.69	464.	2.05	4.15
6	8.92	8.67	1.02	730.	3.07	6.74
7	11.21	11.09	1.15	806.	3.08	6.94
8	9.56	9.40	1.47	1041.	3.66	8.97
9	10.57	10.26	1.67	1198.	5.33	12.78
10	9.08	8.66	1.58	1078	3.74	9.08
11	7.92	7.06	-	-	-	-
12	9.05	8.53	0.88	597.	2.81	5.86
1982	95.51	92.17	-	-	-	-

LOCATION : WE01 ETAY BARUD PS YEAR : 1983 CODE : 11
Q = 2.440 - (0.000) * H ; QCAP = 2.440 HAV = 3.900

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	6.55	6.18	-	-	-	-
2	1.98	1.84	2.44	1642.	4.36	11.55
3	6.10	5.89	0.84	585.	1.69	3.59
4	6.32	6.23	0.81	573.	2.18	4.61
5	6.91	6.67	1.17	799.	6.31	11.84
6	6.40	6.14	-	-	-	-
7	7.76	7.67	1.09	784.	3.65	8.22
8	8.04	7.82	1.11	815.	4.92	10.62
9	10.33	10.01	0.90	647.	2.62	5.85
10	9.72	9.36	1.01	712.	2.50	5.81
11	8.65	8.08	1.02	683.	2.50	5.36
12	7.91	7.47	0.87	571.	2.09	4.24
1983	86.67	83.36	-	-	-	-

LOCATION : WE02 SHUBRAKHIT PS YEAR : 1980 CODE : 11
Q = 6.550 - (0.860) * H ; QCAP = 5.518 HAV = 1.200

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	23.42	20.72	-	-	-	-
2	17.71	16.22	-	-	-	-
3	28.86	25.08	1.31	879.	3.35	7.87
4	28.71	25.21	1.28	847.	3.36	7.41
5	28.17	24.78	1.00	665.	2.35	5.31
6	20.48	25.87	1.05	672	2.12	4.89
7	33.26	28.95	1.40	974.	4.08	9.83
8	31.93	28.34	1.48	1005.	4.00	9.74
9	34.44	30.34	1.55	1088.	4.66	11.19
10	35.30	31.31	1.21	818.	2.35	5.82
11	29.33	23.33	1.55	1125.	3.37	8.30
12	29.32	25.80	1.47	1017.	4.83	11.16
1980	340.93	305.95	-	-	-	-

LOCATION : WE02 SHUBRAKHIT PB YEAR : 1981 CODE : 11
Q = 6.550 - (0.860) * H ; QCAP = 5.518 HAV = 1.200

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	24.02	21.11	2.55	1756	5.51	14.93
2	17.70	16.07	3.33	2102.	7.03	17.95
3	36.97	32.05	1.12	727.	2.81	6.21
4	31.36	25.26	1.19	807.	3.45	7.83
5	31.35	27.40	0.84	552.	3.41	6.59
6	29.13	24.55	2.03	1465.	9.32	20.26
7	37.71	32.84	1.60	1142.	4.89	11.70
8	38.46	34.03	1.85	1303.	5.43	12.99
9	39.61	34.96	1.29	879.	3.17	7.59
10	37.30	32.99	1.19	801.	4.10	8.94
11	32.45	26.92	1.43	983	3.84	8.82
12	29.92	26.08	1.33	849.	2.85	6.57
1981	385.98	334.26	1.55	1057.	4.50	10.52

LOCATION : WE02 SHUBRAKHIT PS YEAR : 1982 CODE : 11
Q = 6.550 - (0.860) * H ; QCAP = 5.518 HAV = 1.200

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	23.83	21.13	2.43	1553.	3.15	8.50
2	12.48	11.28	2.24	1457.	3.42	9.11
3	26.50	23.23	1.23	771.	4.55	8.89
4	31.91	27.67	1.18	790.	3.24	7.27
5	32.52	28.96	0.89	587.	2.18	4.83
6	32.78	28.92	0.99	717.	2.96	6.56
7	38.21	32.99	1.25	862.	3.61	7.68
8	35.98	31.85	1.45	1014.	4.41	10.44
9	37.09	33.00	1.37	954.	4.83	10.95
10	35.36	31.50	1.12	761.	2.91	6.53
11	27.93	24.74	-	-	-	-
12	27.04	23.56	0.96	657.	2.84	6.20
1982	361.63	318.82	-	-	-	-

LOCATION : WE02 SHUBRAKHIT PS YEAR : 1983 CODE : 11
Q = 6.550 - (0.860) * H ; QCAP = 5.518 HAV = 1.200

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	22.99	20.73	-	-	-	-
2	14.68	12.92	3.68	2362.	7.53	19.30
3	27.85	24.24	1.36	912.	3.69	8.02
4	30.09	25.64	1.11	738.	2.56	5.68
5	29.99	26.08	0.95	651.	4.77	9.31
6	30.52	26.47	0.99	705.	4.05	8.62
7	36.95	32.05	1.16	820.	3.81	8.67
8	34.38	29.51	1.43	1035.	5.14	11.90
9	37.36	32.66	1.15	836.	3.71	8.38
10	32.34	28.31	1.12	837.	3.05	7.16
11	25.21	22.16	1.03	720.	2.57	5.64
12	36.31	22.77	1.12	711	2.87	5.79
1983	358.67	303.55	-	-	-	-

LOCATION : WE03 ZARQUN PS YEAR : 1980 CODE : 11
Q = 9.210 - (2.300) * H ; QCAP = 5.185 HAV = 1.750

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	10.74	11.47	-	-	-	-
2	7.64	8.50	-	-	-	-
3	12.95	9.82	1.44	944.	4.17	9.64
4	12.88	13.51	1.28	855.	2.60	5.70
5	11.81	12.49	1.38	857.	2.83	6.56
6	15.89	16.94	1.24	727.	2.02	4.52
7	18.68	19.29	1.22	802.	4.15	9.32
8	17.82	19.42	1.26	826.	3.65	8.53
9	20.20	20.92	1.16	780.	2.35	5.66
10	15.03	16.49	1.16	782.	2.15	5.31
11	13.82	14.93	1.28	909.	3.19	7.63
12	7.93	8.50	1.39	948.	4.11	9.35
1980	165.39	172.29	-	-	-	-

LOCATION : WE03 ZARQUN PS YEAR : 1981 CODE : 11
Q = 9.210 - (2.300) * H ; QCAP = 5.185 HAV = 1.750

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	7.33	8.12	2.02	1378	6.39	16.18
2	7.04	8.03	2.20	1400.	5.20	12.84
3	15.33	16.17	0.97	601.	2.20	4.72
4	13.46	13.99	1.23	816	3.82	8.51
5	15.74	16.31	0.92	628.	3.49	7.35
6	18.56	19.29	1.25	871.	4.83	10.67
7	20.36	23.31	1.30	829.	4.23	9.43
8	20.66	20.75	1.41	886.	4.55	10.28
9	20.23	19.49	1.25	811.	3.15	7.37
10	17.96	17.73	1.19	783	3.59	7.93
11	14.74	16.01	1.08	713.	3.26	6.95
12	11.69	12.38	1.16	720.	2.61	5.77
1981	183.10	191.59	1.27	827.	3.86	8.66

LOCATION : WE03 ZARQUN PS YEAR : 1982 CODE : 11
Q = 9.210 - (2.300) * H ; QCAP = 5.185 HAV = 1.750

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	10.49	11.40	1.87	1111.	3.90	9.46
2	8.19	8.74	1.41	874.	3.14	7.42
3	13.13	13.23	2.68	1694.	13.32	26.45
4	15.44	16.17	1.26	851.	3.51	8.00
5	20.21	19.07	0.84	568.	2.34	4.97
6	19.82	18.54	1.25	879.	4.09	9.25
7	22.36	21.25	1.06	725.	3.37	7.46
8	21.87	21.66	1.28	873.	3.33	7.77
9	22.47	19.24	1.12	762.	3.26	7.39
10	18.17	16.48	1.03	673.	2.62	5.79
11	16.79	16.86	-	-	-	-
12	12.51	13.26	0.98	609.	2.21	4.73
1982	201.45	195.88	-	-	-	-

LOCATION : WE03 ZARQUN PS YEAR : 1983 CODE : 11
Q = 9.210 - (2.300) * H ; QCAP = 5.185 HAV = 1.750

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	11.50	11.61	-	-	-	-
2	5.92	6.20	2.41	1525.	6.60	15.16
3	9.52	10.31	1.41	907.	3.93	8.62
4	15.08	15.88	1.78	1145.	5.54	12.20
5	17.21	17.32	-	-	-	-
6	18.30	19.13	1.12	775.	4.93	10.35
7	23.00	23.48	0.95	653.	3.90	7.78
8	20.41	21.42	1.38	956.	6.88	14.31
9	21.71	21.00	1.08	728.	3.58	7.74
10	19.09	18.66	1.07	697.	3.00	6.66
11	15.55	16.31	1.27	845.	3.91	7.83
12	12.29	13.54	1.78	1156.	5.03	10.73
1983	189.58	194.86	-	-	-	-

LOCATION : WE04 EDKO IRRIGATION PS YEAR : 1980 CODE : 11
Q = 6.380 - (0.000) * H ; QCAP = 6.380 HAV = 2.400

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	9.89	8.84	-	-	-	-
2	9.09	8.84	-	-	-	-
3	20.27	19.64	1.36	818.	3.01	6.58
4	31.59	32.87	1.18	758.	2.97	6.33
5	32.76	33.42	1.00	659.	1.79	4.17
6	31.48	32.36	1.21	774.	3.40	7.72
7	46.05	49.15	1.38	930.	4.21	9.98
8	47.18	50.19	1.39	915.	3.92	9.27
9	44.21	44.58	1.36	913.	3.43	8.26
10	49.21	47.50	1.16	785.	2.07	5.16
11	44.17	41.73	1.51	1088.	4.32	10.17
12	34.57	32.84	1.40	960.	4.23	9.70
1980	400.47	401.96	-	-	-	-

LOCATION : WE04 EDKO IRRIGATION PS YEAR : 1981 CODE : 11
Q = 6.380 - (0.000) * H ; QCAP = 6.380 HAV = 2.400

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	23.22	21.91	1.61	1145.	5.02	12.68
2	5.48	5.24	3.80	2463	6.59	18.44
3	19.14	18.12	1.17	744.	3.77	7.77
4	24.26	23.89	1.11	756.	3.54	7.79
5	24.07	24.21	0.94	666.	3.69	8.01
6	25.93	25.98	1.21	838	4.01	9.15
7	30.06	31.51	1.27	845.	3.44	7.94
8	31.92	32.27	1.36	898.	4.22	9.72
9	31.45	32.91	1.28	862	3.18	7.60
10	33.49	33.58	1.29	862.	4.03	9.12
11	33.89	32.87	1.16	809.	3.29	7.39
12	28.70	28.02	1.14	745.	2.87	6.24
1981	310.81	310.50	1.27	862.	3.76	8.65

LOCATION : WE04 EDKO IRRIGATION PS YEAR : 1982 CODE : 11
Q = 6.380 - (0.000) * H ; QCAP = 6.380 HAV = 2.400

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	24.10	23.68	1.98	1273.	3.10	7.86
2	4.71	4.30	-	-	-	-
3	18.17	17.13	1.75	1161.	4.42	10.61
4	25.60	24.37	1.16	780.	3.55	7.88
5	31.44	30.82	0.86	593.	2.75	5.84
6	30.36	30.32	1.03	720.	3.07	6.85
7	38.86	40.17	1.16	806.	3.70	8.13
8	46.70	49.36	1.27	864.	3.76	8.63
9	33.91	33.21	1.35	918.	3.79	8.81
10	34.34	33.01	1.14	758.	2.69	6.19
11	32.16	31.67	-	-	-	-
12	31.26	30.55	0.88	577.	2.79	5.75
1982	351.61	348.59	-	-	-	-

LOCATION : WE04 EDKO IRRIGATION PS YEAR : 1983 CODE : 11
Q = 6.380 - (0.000) * H ; QCAP = 6.380 HAV = 2.400

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	23.17	21.73	-	-	-	-
2	4.57	4.04	2.97	2073.	6.14	16.72
3	15.90	14.93	1.13	797.	3.59	7.76
4	19.09	18.44	1.08	722.	2.86	6.31
5	25.20	28.85	0.77	526.	4.60	8.07
6	28.91	30.23	0.86	609.	3.87	7.87
7	31.18	32.80	1.18	842.	3.88	8.91
8	29.73	30.82	1.36	994.	5.53	12.79
9	33.36	32.18	1.05	710.	3.05	6.76
10	32.32	31.10	1.01	680.	3.04	6.67
11	27.36	26.16	0.99	640.	2.16	4.63
12	30.86	29.93	0.85	533.	1.88	3.62
1983	301.65	301.20	-	-	-	-

LOCATION : WE05 DILINGAT PS YEAR : 1980 CODE : 11
Q = 8.170 - (1.050) * H ; QCAP = 5.020 HAV = 3.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	15.05	13.34	-	-	-	-
2	11.48	11.31	-	-	-	-
3	14.86	13.87	0.97	707.	1.96	4.63
4	17.06	14.35	1.00	713.	1.95	4.39
5	17.34	15.09	0.95	670.	1.61	3.80
6	20.62	17.13	0.88	616.	1.17	2.78
7	22.76	17.06	1.09	813.	2.62	6.40
8	25.36	21.75	0.97	703.	1.95	4.69
9	26.51	22.29	0.96	718.	1.84	4.47
10	24.76	21.06	0.96	706.	1.04	2.68
11	21.63	18.66	1.30	898.	2.35	5.86
12	20.29	18.61	1.18	911.	3.18	7.57
1980	237.72	204.53	-	-	-	-

LOCATION : WE05 DILINGAT PS YEAR : 1981 CODE : 11
Q = 8.170 - (1.050) * H ; QCAP = 5.020 HAV = 3.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	18.64	17.50	1.66	1240.	5.58	13.52
2	12.37	11.33	3.58	2432.	13.70	33.20
3	17.58	15.23	0.84	597.	1.79	4.04
4	16.77	14.63	1.04	773.	2.35	5.59
5	19.72	17.25	0.93	680.	2.62	5.95
6	19.61	16.17	1.22	920.	4.11	9.34
7	23.78	20.17	1.07	697.	2.70	6.04
8	25.27	20.70	1.18	784.	2.83	6.60
9	22.84	20.47	1.03	726.	2.10	5.04
10	22.34	19.04	1.08	794.	3.17	7.33
11	19.90	18.72	0.98	740.	3.18	7.22
12	19.24	17.42	0.94	691.	2.02	4.75
1981	238.06	208.63	1.23	874.	3.63	8.44

LOCATION : WE05 DILINGAT PS YEAR : 1982 CODE : 11
Q = 8.170 - (1.050) * H ; QCAP = 5.020 HAV = 3.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	18.80	17.63	1.02	754.	4.45	9.77
2	12.54	12.38	0.97	694.	3.15	7.12
3	17.36	15.83	0.85	596.	1.51	3.43
4	17.52	16.04	1.02	759.	2.36	5.73
5	16.88	15.07	0.97	716.	2.39	5.57
6	20.11	17.41	0.96	713.	2.42	5.55
7	22.27	17.88	1.07	779.	2.24	5.31
8	22.86	20.14	1.12	831.	2.21	5.33
9	23.78	21.16	1.08	795.	2.87	6.64
10	23.18	21.09	0.96	704.	2.20	5.10
11	20.47	19.17	-	-	-	-
12	19.41	17.54	0.87	646.	2.53	5.62
1982	235.20	211.34	-	-	-	-

LOCATION : WE05 DILINGAT PS YEAR : 1983 CODE : 11
Q = 8.170 - (1.050) * H ; QCAP = 5.020 HAV = 3.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	16.01	15.32	-	-	-	-
2	8.41	8.86	1.10	823.	3.00	7.07
3	17.96	16.46	0.89	658.	1.72	3.86
4	17.38	16.49	1.07	706.	1.93	3.97
5	18.17	17.65	1.04	723.	3.79	7.72
6	17.53	15.33	1.13	806.	5.25	11.04
7	20.38	18.41	1.14	753.	3.38	7.57
8	23.00	20.17	1.04	748.	3.74	8.34
9	25.54	23.49	0.99	737.	1.94	4.58
10	25.08	22.28	1.05	787.	2.22	5.27
11	18.68	17.74	1.05	754.	2.03	4.63
12	20.10	18.67	0.95	639.	1.57	3.39
1983	228.24	210.88	-	-	-	-

LOCATION : WE06 KHANDAK EL GHARBI PS YEAR : 1980 CODE : 11
Q = 2.350 - (0.000) * H ; QCAP = 2.350 HAV = 3.400

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	6.95	6.06	-	-	-	-
2	6.27	5.45	-	-	-	-
3	8.60	7.66	1.29	820.	3.63	7.76
4	8.64	7.60	1.70	1123.	4.65	10.48
5	8.26	7.36	1.18	795.	2.40	5.73
6	9.68	8.14	1.14	771.	1.78	4.23
7	10.33	9.50	1.36	933.	3.46	8.47
8	11.27	10.21	1.52	1053.	3.62	9.15
9	11.51	10.20	1.46	1048.	3.43	8.74
10	11.81	10.55	1.27	872.	2.17	5.57
11	7.59	6.73	1.78	1145.	3.55	9.07
12	8.00	7.12	1.25	898.	3.72	8.60
1980	108.91	96.57	-	-	-	-

LOCATION : WE06 KHANDAK EL GHARBI PS YEAR : 1981 CODE : 11
Q = 2.350 - (0.000) * H ; QCAP = 2.350 HAV = 3.400

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	6.42	5.52	1.92	1410.	5.57	14.82
2	4.06	3.62	1.58	1052.	2.57	6.59
3	7.93	7.02	1.24	828.	2.92	6.76
4	7.81	7.06	1.14	810.	3.22	7.47
5	7.05	6.24	-	-	-	-
6	8.03	7.11	2.09	1415.	5.58	13.55
7	10.01	9.17	1.22	793.	3.02	7.01
8	10.24	9.13	1.32	891.	3.41	8.13
9	10.84	9.44	1.25	864.	3.26	7.89
10	10.94	9.48	1.21	874.	4.07	9.22
11	8.64	7.50	1.01	715.	2.49	5.57
12	8.50	7.48	1.20	835.	2.92	6.80
1981	100.47	88.79	-	-	-	-

LOCATION : WE06 KHANDAK EL GHARBI PS YEAR : 1982 CODE : 11
Q = 2.350 - (0.000) * H ; QCAP = 2.350 HAV = 3.400

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	7.04	6.08	2.00	1363.	5.01	12.85
2	3.59	3.03	2.05	1392.	5.00	13.09
3	6.92	6.18	1.07	726	3.46	7.45
4	7.81	7.04	1.20	863	3.64	8.44
5	7.88	7.05	0.96	667.	2.46	5.53
6	8.73	7.68	0.96	691.	2.61	5.81
7	9.21	8.40	1.31	915.	3.94	9.05
8	9.99	8.98	1.21	880.	3.01	7.19
9	10.97	9.78	1.37	995.	3.95	9.43
10	11.21	9.78	1.03	729.	2.81	6.39
11	7.52	6.53	-	-	-	-
12	8.02	6.93	0.86	616.	2.51	5.40
1982	98.89	87.46	-	-	-	-

LOCATION : WE06 KHANDAK EL GHARBI PS YEAR : 1983 CODE : 11
Q = 2.350 - (0.000) * H ; QCAP = 2.350 HAV = 3.400

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	6.97	6.00	-	-	-	-
2	1.98	1.68	2.24	1545.	3.91	10.42
3	6.94	5.75	0.93	650.	2.58	5.42
4	8.24	7.42	0.98	676.	3.13	6.52
5	9.32	8.32	0.89	630.	4.14	7.99
6	9.37	8.32	0.85	623.	4.00	8.28
7	9.38	8.53	1.31	933.	4.35	10.00
8	9.69	8.57	1.28	879.	3.55	8.42
9	11.10	8.92	1.52	1124.	4.53	11.04
10	11.88	8.60	1.29	924.	3.51	8.33
11	7.22	6.24	1.32	922.	3.36	7.99
12	8.26	7.24	0.83	550.	1.61	3.36
1983	99.95	85.59	-	-	-	-

LOCATION : WE07 KHAIRY PS YEAR : 1980 CODE : 11
Q = 7.140 - (1.390) * H ; QCAP = 4.638 HAV = 1.800

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	15.56	12.83	-	-	-	-
2	14.39	12.03	-	-	-	-
3	19.77	16.91	1.34	977.	3.96	9.79
4	18.47	16.26	1.29	872.	2.89	6.65
5	19.28	15.52	1.12	741.	1.80	4.29
6	19.21	15.44	1.15	767.	2.40	5.65
7	25.33	20.20	1.32	931.	3.96	9.54
8	26.69	21.57	1.32	920.	3.74	8.94
9	25.93	20.68	1.37	966.	3.98	9.65
10	22.32	18.04	1.25	913.	2.95	7.54
11	17.34	13.93	1.65	1246.	5.21	12.79
12	15.73	12.71	1.64	1153.	5.55	12.85
1980	240.02	196.14	-	-	-	-

LOCATION : WE07 KHAIRY PS YEAR : 1981 CODE : 11
Q = 7.140 - (1.390) * H ; QCAP = 4.638 HAV = 1.800

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	14.47	11.98	3.07	2086.	8.56	23.30
2	10.75	8.94	2.99	1874.	7.14	18.31
3	18.08	14.70	1.10	728.	2.75	6.22
4	16.65	13.47	1.32	938.	4.42	10.20
5	15.81	12.78	1.28	943.	4.59	10.68
6	17.05	13.91	-	-	-	-
7	21.53	17.26	1.37	899.	3.88	9.06
8	21.21	17.37	1.42	953.	4.30	10.16
9	24.14	19.52	1.28	893.	3.75	8.83
10	24.01	19.29	1.26	884.	3.90	9.02
11	19.32	15.73	1.50	1070.	4.17	9.94
12	17.83	14.72	1.37	960.	3.90	9.19
1981	220.85	179.66	-	-	-	-

LOCATION : WE07 KHAIRY PS YEAR : 1982 CODE : 11
Q = 7.140 - (1.390) * H ; QCAP = 4.638 HAV = 1.800

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	16.66	13.94	1.69	1149.	3.73	9.41
2	8.19	6.92	-	-	-	-
3	13.61	11.12	1.88	1288.	5.77	13.88
4	16.86	13.56	2.35	1602.	10.40	23.58
5	18.81	14.25	0.97	682.	2.84	6.46
6	19.23	15.91	1.12	801.	3.57	8.07
7	26.07	21.54	1.26	909.	4.40	9.92
8	25.19	20.18	1.43	1026.	4.09	9.89
9	25.74	20.55	1.45	1016.	3.93	9.52
10	21.78	17.81	1.18	829.	2.44	5.83
11	20.59	16.55	-	-	-	-
12	17.34	13.99	1.04	738.	2.54	5.90
1982	230.07	186.32	-	-	-	-

LOCATION : WE07 KHAIRY PS YEAR : 1983 CODE : 11
Q = 7.140 - (1.390) * H ; QCAP = 4.638 HAV = 1.800

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	16.95	14.07	-	-	-	-
2	11.64	9.72	1.71	1233.	4.60	11.16
3	13.96	11.35	1.44	1042.	5.08	11.39
4	17.18	13.95	1.25	877.	4.83	10.44
5	16.85	13.89	1.14	782.	5.66	11.60
6	16.35	13.28	1.34	935.	4.23	9.98
7	21.36	17.25	1.38	1023.	5.25	12.16
8	20.36	17.15	1.46	1088.	6.20	14.17
9	20.81	17.44	1.28	944.	4.33	10.04
10	20.34	16.45	1.21	884.	3.41	8.15
11	16.17	13.19	1.28	861.	2.90	6.70
12	17.46	14.22	1.13	751.	3.13	6.63
1983	209.43	171.97	-	-	-	-

LOCATION : WEOB HALG EL GAMAL PS YEAR : 1980 CODE : 11
Q = 4.830 - (0.700) * H ; QCAP = 3.080 HAV = 2.500

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	24.35	14.03	-	-	-	-
2	18.90	10.95	-	-	-	-
3	34.42	19.39	2.40	1546.	8.29	19.85
4	40.38	22.15	2.49	1513.	7.61	17.05
5	39.35	21.78	1.99	1272.	5.77	13.56
6	34.33	29.33	2.08	1311.	5.60	13.21
7	60.74	33.68	2.19	1449.	6.91	16.72
8	58.70	32.54	2.13	1415.	6.99	16.80
9	60.94	33.27	2.08	1385.	5.22	13.06
10	47.54	25.62	1.78	1160.	3.32	8.03
11	39.76	21.88	2.18	1470.	5.01	12.73
12	26.30	14.84	3.22	2057.	8.89	21.31
1980	505.71	279.45	-	-	-	-

LOCATION : WEOB HALG EL GAMAL PS YEAR : 1981 CODE : 11
Q = 4.830 - (0.700) * H ; QCAP = 3.080 HAV = 2.500

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	24.35	14.39	2.61	1734.	8.48	21.12
2	16.18	9.73	2.46	1499.	6.09	14.61
3	36.98	20.71	1.79	1066.	5.60	12.20
4	41.66	23.16	1.95	1235.	5.90	13.76
5	40.17	22.44	1.81	1217.	7.21	16.02
6	47.44	26.84	2.19	1472.	9.11	20.73
7	46.13	29.57	2.33	1435.	8.33	19.13
8	47.47	29.04	2.83	1720.	10.93	24.80
9	46.59	30.14	1.96	1259.	5.24	12.77
10	45.35	26.48	1.90	1216.	5.91	13.46
11	35.13	20.86	2.05	1276.	6.29	14.22
12	30.94	17.63	1.90	1168.	5.40	12.50
1981	458.39	270.99	2.14	1353.	7.11	16.45

LOCATION : WEOB HALG EL GAMAL PS YEAR : 1982 CODE : 11
Q = 4.830 - (0.700) * H ; QCAP = 3.080 HAV = 2.500

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	29.47	17.12	3.62	2128.	7.47	18.36
2	16.94	9.70	3.67	2167.	7.08	18.09
3	28.46	15.98	1.69	1008.	4.55	10.15
4	41.38	23.35	1.89	1245.	6.15	14.17
5	47.29	26.61	1.69	1095.	5.43	12.30
6	51.26	31.79	2.00	1371.	7.38	17.13
7	52.63	34.04	1.92	1292.	6.85	15.60
8	52.67	35.39	1.95	1276.	5.67	13.50
9	50.41	32.74	2.05	1347.	7.18	16.60
10	51.70	30.47	2.25	1467.	7.26	16.68
11	35.59	21.90	-	-	-	-
12	30.02	17.07	2.21	1380.	6.46	15.01
1982	487.82	296.16	-	-	-	-

LOCATION : WEOB HALG EL GAMAL PS YEAR : 1983 CODE : 11
Q = 4.830 - (0.700) * H ; QCAP = 3.080 HAV = 2.500

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	25.45	14.75	-	-	-	-
2	13.86	7.94	6.05	3537.	15.01	37.45
3	31.84	18.22	2.41	1550.	8.55	19.20
4	47.66	27.56	1.17	735.	3.78	7.91
5	44.96	25.43	1.77	1157.	7.25	15.83
6	47.05	31.42	2.09	1427.	8.72	19.69
7	50.06	34.06	2.02	1357.	6.52	15.33
8	51.07	33.82	1.93	1248.	5.12	12.32
9	48.78	32.44	1.83	1247.	5.82	13.51
10	39.58	26.04	2.72	1876.	7.90	19.53
11	39.42	23.73	2.21	1422.	6.43	14.34
12	36.65	22.52	1.72	1023.	4.69	9.62
1983	476.38	297.94	-	-	-	-

LOCATION : WE09 HALQ EL QAMAL BRIDGE YEAR : 1980 CODE : 23
Q = 0.85 * WETTED CROSS SECTION * FLOAT VELOCITY

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
5	-	-	-	-	-	-
6	-	-	-	-	-	-
7	-	44.70	1.87	1224.	4.83	11.99
8	-	43.10	1.55	1022.	3.85	9.40
9	-	52.90	1.95	1319.	5.47	13.42
10	-	56.11	-	-	-	-
11	-	26.90	2.20	1553.	5.57	13.95
12	-	35.49	1.94	1353.	6.59	15.27
1980	-	-	-	-	-	-

LOCATION : WE09 HALQ EL QAMAL BRIDGE YEAR : 1981 CODE : 23
Q = 0.85 * WETTED CROSS SECTION * FLOAT VELOCITY

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	35.79	2.51	1774.	8.96	22.79
2	-	30.47	1.75	1072.	3.41	8.09
3	-	53.68	1.41	893.	4.05	9.15
4	-	45.72	1.62	1064.	5.08	11.39
5	-	49.57	-	-	-	-
6	-	48.96	0.81	540.	1.65	3.58
7	-	47.72	1.24	818.	2.99	7.05
8	-	47.82	1.85	1167.	5.98	13.98
9	-	54.25	1.92	1268.	5.48	13.16
10	-	54.83	1.67	1129.	5.83	13.23
11	-	45.98	1.54	1045.	4.74	10.84
12	-	56.07	1.47	928.	4.10	9.32
1981	-	570.86	-	-	-	-

LOCATION : WE09 HALQ EL QAMAL BRIDGE YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.61	1107.	3.62	9.24
2	-	-	1.22	824.	2.88	6.88
3	-	-	1.76	1081.	4.93	11.37
4	-	-	1.63	1105.	4.92	11.43
5	-	-	1.43	898.	4.37	9.77
6	-	-	1.56	1066.	5.84	13.09
7	-	-	1.60	1056.	5.14	11.62
8	-	-	1.59	1094.	4.59	10.96
9	-	-	1.38	949.	5.01	11.41
10	-	-	1.56	1069.	5.66	12.70
11	-	-	-	-	-	-
12	-	-	-	-	-	-
1982	-	-	-	-	-	-

LOCATION : WE09 HALQ EL QAMAL BRIDGE YEAR : 1983 CODE : 23
Q = 0.85 * WETTED CROSS SECTION * FLOAT VELOCITY

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	22.62	1.75	1188.	5.57	13.01
3	-	44.31	1.40	969.	4.66	10.46
4	-	40.00	1.37	968.	5.30	11.30
5	-	53.34	1.13	780.	5.78	11.41
6	-	56.39	1.66	1151.	9.91	20.03
7	-	52.77	-	-	-	-
8	-	40.87	1.70	1133.	7.94	17.42
9	-	57.79	1.58	1082.	5.42	12.28
10	-	51.77	1.50	1023.	5.01	11.35
11	-	44.16	1.55	1071.	5.66	11.97
12	-	35.09	1.24	836.	4.08	8.39
1983	-	-	-	-	-	-

LOCATION : WE10 EDKO PS YEAR : 1980 CODE : 11
Q = 3.920 - (0.220) * H ; QCAP = 3.216 HAV = 3.200

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	5.33	4.88	-	-	-	-
2	4.45	4.04	-	-	-	-
3	8.84	7.93	6.26	3863.	16.58	44.15
4	11.79	10.78	4.81	3055.	16.42	38.13
5	13.50	12.33	4.04	2347.	9.88	25.03
6	16.71	15.39	4.56	2757.	9.99	26.49
7	24.96	23.61	3.64	2309.	10.89	28.10
8	24.38	22.25	3.35	2129.	10.40	26.24
9	26.43	24.23	3.18	2031.	9.57	24.03
10	16.02	14.68	3.93	2440.	9.11	24.96
11	14.44	13.20	3.81	2580.	10.47	26.50
12	9.06	7.93	6.00	4239.	18.31	45.07
1980	179.93	161.23	-	-	-	-

LOCATION : WE10 EDKO PS YEAR : 1981 CODE : 11
Q = 3.920 - (0.220) * H ; QCAP = 3.216 HAV = 3.200

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	7.21	6.67	7.83	5442.	22.54	60.43
2	3.43	3.12	7.36	4558.	13.83	37.82
3	10.98	10.18	4.76	2796.	12.75	30.33
4	12.52	11.45	4.54	2902.	14.78	34.92
5	14.24	12.86	4.12	2666.	13.63	33.02
6	17.48	15.82	2.85	1737.	7.10	18.03
7	19.17	17.73	2.58	1535.	6.66	16.52
8	23.21	21.52	3.42	2043.	10.10	24.96
9	21.09	19.49	3.13	1905.	8.32	21.05
10	15.30	13.94	3.29	1891.	9.74	23.37
11	9.06	8.29	4.55	2895.	12.94	31.93
12	9.19	8.38	4.10	2611.	11.40	27.53
1981	162.88	149.44	3.82	2372.	10.99	27.26

LOCATION : WE10 EDKO PS YEAR : 1982 CODE : 11
Q = 3.920 - (0.220) * H ; QCAP = 3.216 HAV = 3.200

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	6.57	5.99	7.19	4258.	15.02	39.73
2	4.37	4.06	6.86	4073.	11.83	32.31
3	10.67	9.79	2.38	1454.	6.57	15.33
4	13.20	11.92	3.86	2506.	11.88	29.18
5	17.49	15.99	3.06	1929.	9.62	22.99
6	18.50	17.94	3.55	2373.	11.85	30.23
7	26.36	24.85	3.00	1952.	10.10	24.30
8	20.64	19.39	3.28	2094.	9.43	23.83
9	25.63	24.17	2.96	1831.	9.64	23.05
10	17.61	16.12	3.53	2296.	11.69	27.90
11	12.26	11.13	-	-	-	-
12	7.71	7.01	5.85	3631.	15.80	39.85
1982	181.01	168.37	-	-	-	-

LOCATION : WE10 EDKO PS YEAR : 1983 CODE : 11
Q = 3.920 - (0.220) * H ; QCAP = 3.216 HAV = 3.200

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	8.52	7.84	-	-	-	-
2	3.44	3.18	-	-	-	-
3	8.09	7.53	4.71	3012	13.74	32.90
4	11.61	10.86	4.09	2580.	12.23	29.30
5	16.26	14.71	3.80	2264.	13.09	30.19
6	19.69	18.04	4.04	2634.	18.30	42.57
7	26.47	24.24	-	-	-	-
8	27.30	25.43	2.78	1800.	9.77	23.58
9	26.12	24.71	3.04	1940.	8.58	20.95
10	21.91	20.17	3.68	2377.	10.37	25.80
11	12.66	11.52	4.07	2472.	9.37	23.24
12	10.12	9.24	3.84	2255.	9.20	21.16
1983	192.19	177.47	-	-	-	-

LOCATION : WE11 BOSSEILY PS YEAR : 1980 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	6.53	-	-	-	-	-
2	9.79	-	8.47	5163.	20.71	53.69
3	18.41	-	2.31	1407.	7.89	18.20
4	23.99	-	2.21	1369.	6.83	15.35
5	34.86	-	1.75	1106.	4.42	10.45
6	37.07	-	1.88	1202.	4.15	10.25
7	44.13	-	1.58	1031.	5.01	12.03
8	40.56	-	1.61	1044.	4.78	11.45
9	40.24	-	1.81	1168.	5.15	12.59
10	30.75	-	1.85	1135.	5.04	12.16
11	24.63	-	1.78	1222.	5.28	12.45
12	15.23	-	3.17	2101.	8.87	21.48
1980	326.19	-	-	-	-	-

LOCATION : WE11 BOSSEILY PS YEAR : 1981 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	10.82	-	20.71	14261.	44.65	123.07
2	7.82	-	10.27	6524.	23.43	61.17
3	22.12	-	3.87	2323.	12.27	27.87
4	22.24	-	3.76	2427.	12.16	28.83
5	27.59	-	2.25	1457.	8.98	19.84
6	31.52	-	1.65	1142.	5.28	12.44
7	35.81	-	1.52	953.	3.30	7.96
8	35.71	-	1.91	1152.	6.42	14.73
9	36.29	-	1.76	1132.	5.09	12.10
10	33.53	-	1.29	861.	4.26	9.30
11	20.48	-	1.91	1268.	5.66	13.12
12	18.51	-	2.34	1403.	6.85	15.52
1981	302.44	-	3.02	1926.	9.97	23.41

LOCATION : WE11 BOSSEILY PS YEAR : 1982 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	14.12	-	6.18	4279.	16.59	41.80
2	9.35	-	6.06	4117.	13.85	36.52
3	18.23	-	3.19	1815.	8.18	18.70
4	23.66	-	2.30	1423.	6.33	15.07
5	31.67	-	2.17	1353.	6.79	15.72
6	39.83	-	2.03	1364.	7.04	16.83
7	42.51	-	2.12	1364.	7.69	17.55
8	41.62	-	1.94	1262.	6.41	14.91
9	41.37	-	1.84	1209.	6.47	14.90
10	35.53	-	1.59	1013.	5.12	11.29
11	28.57	-	-	-	-	-
12	19.51	-	2.09	1262.	4.67	10.89
1982	345.97	-	-	-	-	-

LOCATION : WE11 BOSSEILY PS YEAR : 1983 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	13.85	-	-	-	-	-
2	7.27	-	6.94	4628.	16.97	43.75
3	16.19	-	3.08	1866.	9.68	21.91
4	26.57	-	2.44	1541.	9.38	20.58
5	32.70	-	2.03	1314.	11.18	22.23
6	36.40	-	1.92	1299.	9.80	20.95
7	41.00	-	1.60	1102.	6.90	15.14
8	33.90	-	1.95	1340.	8.07	18.42
9	38.10	-	2.06	1354.	6.88	15.67
10	34.30	-	1.73	1173.	5.34	12.31
11	27.29	-	1.99	1202.	5.12	11.51
12	23.52	-	1.61	934.	4.75	9.40
1983	331.09	-	-	-	-	-

LOCATION : WE12 EDKO OUTFALL YEAR : 1981 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	2.40	1430.	7.08	16.44
5	-	-	2.25	1452.	7.78	17.98
6	-	-	3.08	2082.	11.02	26.50
7	-	-	2.17	1392.	6.72	16.47
8	-	-	2.26	1374.	6.16	15.17
9	-	-	2.04	1297.	5.39	13.27
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	3.11	1860.	8.65	20.58
1981	-	-	-	-	-	-

LOCATION : WE12 EDKO OUTFALL YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	2.84	1713.	6.81	16.79
2	-	-	2.47	1448.	5.20	12.76
3	-	-	2.04	1276.	5.90	13.70
4	-	-	1.96	1302.	6.75	15.67
5	-	-	1.77	1085.	5.78	12.90
6	-	-	2.06	1390.	7.29	17.27
7	-	-	2.02	1352.	6.56	15.44
8	-	-	1.83	1172.	5.48	13.08
9	-	-	1.91	1229.	6.43	14.89
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	1.53	982.	5.05	11.24
1982	-	-	-	-	-	-

LOCATION : WE12 EDKO OUTFALL YEAR : 1983 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI.	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	2.07	1367.	7.57	16.09
4	-	-	1.86	1178.	7.15	13.74
5	-	-	3.20	2035.	15.38	31.85
6	-	-	2.35	1559.	13.45	27.92
7	-	-	1.64	1146.	6.72	15.19
8	-	-	1.85	1284.	8.69	19.30
9	-	-	1.76	1200.	5.87	13.74
10	-	-	2.05	1339.	6.15	14.48
11	-	-	1.96	1193.	5.97	12.20
12	-	-	-	-	-	-
1983	-	-	-	-	-	-

LOCATION : WE13 EDKO BRIDGE YEAR : 1980 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM		SAR	ADJ SAR
1	-	-	-	-		-	-
2	-	-	-	-		-	-
3	-	-	-	-		-	-
4	-	-	1.83	1198.		5.76	12.88
5	-	-	1.61	1013.		4.00	9.32
6	-	-	1.73	1094.		4.10	10.04
7	-	-	1.90	1267.		6.41	15.31
8	-	-	1.89	1258.		5.09	12.28
9	-	-	1.96	1339.		5.97	14.46
10	-	-	1.81	1171.		4.64	11.39
11	-	-	2.43	1686.		7.66	18.39
12	-	-	-	-		-	-
1980	-	-	-	-		-	-

LOCATION : WI01 NUBAREYA CANAL K52 YEAR : 1981 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	0.42	287.	1.04	1.84
5	-	-	0.42	294.	1.30	2.31
6	-	-	0.42	283.	1.18	1.95
7	-	-	0.41	272.	1.04	1.68
8	-	-	0.44	293.	0.89	1.56
9	-	-	0.47	322.	0.98	1.84
10	-	-	-	-	-	-
11	-	-	0.48	337.	1.48	2.76
12	-	-	0.53	391.	0.65	1.29
1981	-	-	-	-	-	-

LOCATION : WI01 NUBAREYA CANAL K52 YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	0.52	348.	0.79	1.55
2	-	-	-	-	-	-
3	-	-	0.38	246.	1.45	2.13
4	-	-	0.41	279.	1.00	1.71
5	-	-	0.43	291.	0.75	1.32
6	-	-	0.39	249.	0.95	1.55
7	-	-	0.39	241.	0.90	1.47
8	-	-	-	-	-	-
9	-	-	0.47	316.	1.15	2.02
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	0.42	267.	0.73	1.09
1982	-	-	-	-	-	-

LOCATION : WI02 NASR CANAL INLET YEAR : 1981 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	0.88	574.	3.50	6.69
4	-	-	1.04	695.	4.58	8.37
5	-	-	1.06	718.	4.78	9.24
6	-	-	1.21	862.	4.27	9.20
7	-	-	1.12	801.	4.25	8.69
8	-	-	0.96	620.	3.18	6.11
9	-	-	1.07	696.	3.47	6.80
10	-	-	-	-	-	-
11	-	-	1.44	972.	6.52	12.74
12	-	-	1.22	813.	4.01	8.20
1981	-	-	-	-	-	-

LOCATION : WI02 NASR CANAL INLET YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.07	718.	3.11	6.48
2	-	-	-	-	-	-
3	-	-	1.12	719.	3.81	7.82
4	-	-	1.34	904.	5.35	10.80
5	-	-	1.33	903.	5.63	11.27
6	-	-	1.39	956.	6.19	12.48
7	-	-	1.16	827.	5.49	11.27
8	-	-	1.28	893.	7.03	13.09
9	-	-	1.47	984.	6.80	13.22
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	1.34	895.	8.29	10.23
1982	-	-	-	-	-	-

LOCATION : WI03 IRR PS NO 1 SUCTION YEAR : 1981 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	0.97	624.	3.09	6.16
4	-	-	1.01	683.	3.98	7.90
5	-	-	1.09	727.	4.65	9.16
6	-	-	1.19	829.	4.30	9.09
7	-	-	-	-	-	-
8	-	-	1.15	778.	4.30	8.83
9	-	-	1.04	672.	3.47	6.95
10	-	-	-	-	-	-
11	-	-	1.37	931.	6.20	12.23
12	-	-	1.25	825.	4.50	8.97
1981	-	-	-	-	-	-

LOCATION : WI03 IRR PS NO 1 SUCTION YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.19	781.	3.84	7.90
2	-	-	-	-	-	-
3	-	-	1.05	679.	3.90	7.82
4	-	-	1.06	712.	4.32	8.84
5	-	-	1.09	734.	4.47	8.94
6	-	-	1.15	780.	5.05	9.70
7	-	-	1.24	853.	4.65	9.04
8	-	-	1.25	892.	5.99	12.09
9	-	-	1.22	833.	4.78	9.56
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	1.12	748.	3.81	7.66
1982	-	-	-	-	-	-

LOCATION : WI04 IRR PS NO 1 DELIVERY YEAR : 1981 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	0.86	553.	3.86	7.21
4	-	-	1.03	690.	3.77	7.59
5	-	-	1.17	802.	5.18	10.23
6	-	-	1.13	775.	3.36	7.38
7	-	-	1.10	763.	3.77	8.09
8	-	-	1.15	765.	4.21	8.48
9	-	-	1.09	711.	3.55	7.14
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	1.25	824.	3.98	8.06
1981	-	-	-	-	-	-

LOCATION : WI04 IRR PS NO 1 DELIVERY YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.17	782.	3.43	7.19
2	-	-	-	-	-	-
3	-	-	1.06	691.	4.01	8.19
4	-	-	1.10	746.	4.82	9.73
5	-	-	1.13	767.	4.72	9.49
6	-	-	1.15	779.	5.25	10.07
7	-	-	1.35	929.	6.74	12.73
8	-	-	1.21	842.	5.46	10.63
9	-	-	1.19	794.	5.13	9.96
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	1.12	744.	4.84	8.71
1982	-	-	-	-	-	-

LOCATION : WIO5 IRR PS NO 2 SUCTION YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	1.05	679.	3.81	7.65
4	-	-	1.35	918.	5.99	12.18
5	-	-	1.27	848.	5.29	10.82
6	-	-	1.29	880.	4.99	10.18
7	-	-	1.43	977.	5.68	11.25
8	-	-	1.26	827.	4.59	9.30
9	-	-	1.26	805.	4.69	9.31
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	1.26	834.	4.43	9.02
1982	-	-	-	-	-	-

LOCATION : WI06 IRR PS NO 2 DELIVERY YEAR : 1981 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	1.10	724.	5.02	9.50
4	-	-	1.17	789.	4.64	9.30
5	-	-	1.33	911.	6.49	12.68
6	-	-	1.43	981.	4.41	9.83
7	-	-	1.16	819.	3.89	8.27
8	-	-	1.18	773.	3.70	7.76
9	-	-	1.18	784.	3.79	7.78
10	-	-	-	-	-	-
11	-	-	1.53	1055.	6.76	14.13
12	-	-	1.44	952.	4.87	10.07
1981	-	-	-	-	-	-

LOCATION : WI06 IRR PS NO 2 DELIVERY YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.36	884.	4.55	9.33
2	-	-	-	-	-	-
3	-	-	1.02	646.	4.39	8.21
4	-	-	1.28	854.	5.75	11.28
5	-	-	1.27	845.	5.40	10.81
6	-	-	1.32	885.	5.68	11.14
7	-	-	1.37	940.	5.25	10.64
8	-	-	1.26	868.	6.39	11.96
9	-	-	1.27	846.	5.38	10.34
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	1.29	847.	5.44	10.39
1982	-	-	-	-	-	-

LOCATION : WI07 IRR PS NO 3 SUCTION YEAR : 1981 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	0.98	620.	3.74	7.25
4	-	-	1.19	800.	5.44	10.62
5	-	-	1.24	829.	5.94	11.58
6	-	-	1.41	989.	5.34	11.63
7	-	-	1.29	950.	4.12	8.91
8	-	-	1.21	837.	3.24	6.92
9	-	-	1.33	892.	4.44	9.20
10	-	-	-	-	-	-
11	-	-	1.59	1020.	6.88	12.71
12	-	-	1.46	946.	5.49	10.88
1981	-	-	-	-	-	-

LOCATION : WI07 IRR PS NO 3 SUCTION YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.33	886.	4.19	8.79
2	-	-	-	-	-	-
3	-	-	1.08	683.	3.20	6.63
4	-	-	1.27	854.	5.49	11.05
5	-	-	1.24	834.	5.40	10.79
6	-	-	1.25	857.	4.84	9.77
7	-	-	1.44	985.	5.57	11.17
8	-	-	1.44	1002.	7.69	14.29
9	-	-	1.50	1032.	2.97	6.57
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	1.34	899.	4.53	9.04
1982	-	-	-	-	-	-

LOCATION : WIOB IRR PB ND 3 DELIVERY YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	1.11	711.	3.67	7.62
4	-	-	1.38	919.	5.08	10.77
5	-	-	1.30	881.	4.68	10.04
6	-	-	1.25	849.	5.46	10.82
7	-	-	1.44	987.	6.09	12.34
8	-	-	2.80	1788.	8.71	18.84
9	-	-	2.01	1274.	6.87	14.13
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	1.22	793.	4.61	9.15
1982	-	-	-	-	-	-

LOCATION : WI09 GANARLEES BRIDGE K60 YEAR : 1981 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	0.63	409.	1.89	3.55
4	-	-	0.65	450.	2.22	4.29
5	-	-	0.67	459.	2.90	5.33
6	-	-	0.61	406.	1.81	3.48
7	-	-	0.66	467.	2.63	4.89
8	-	-	0.75	537.	2.92	5.61
9	-	-	0.61	425.	1.74	3.34
10	-	-	-	-	-	-
11	-	-	0.75	522.	3.50	6.43
12	-	-	0.78	527.	2.39	4.64
1981	-	-	-	-	-	-

LOCATION : WI09 GANARLEES BRIDGE K60 YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.09	736.	3.09	6.40
2	-	-	-	-	-	-
3	-	-	0.59	398.	2.33	4.17
4	-	-	0.73	497.	2.81	5.45
5	-	-	0.73	486.	2.86	5.49
6	-	-	0.68	466.	2.72	5.09
7	-	-	0.78	533.	3.31	6.06
8	-	-	0.89	625.	4.14	7.60
9	-	-	0.79	559.	2.78	5.23
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	0.66	449.	1.66	3.14
1982	-	-	-	-	-	-

LOCATION : WI10 NUBAREYA CANAL K65 YEAR : 1981 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
5	-	-	0.69	466.	2.88	5.34
6	-	-	0.61	415.	1.76	3.41
7	-	-	0.66	459.	1.77	3.48
8	-	-	0.68	458.	1.72	3.47
9	-	-	0.65	445.	1.74	3.39
10	-	-	-	-	-	-
11	-	-	0.99	662.	3.83	7.51
12	-	-	0.73	476.	1.98	3.87
1981	-	-	-	-	-	-

LOCATION : WI10 NUBAREYA CANAL K65 YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.01	662.	3.64	7.24
2	-	-	-	-	-	-
3	-	-	0.56	377.	2.01	3.62
4	-	-	0.63	417.	1.63	3.22
5	-	-	0.69	456.	2.03	4.05
6	-	-	0.66	467.	2.57	4.77
7	-	-	0.69	469.	2.46	4.61
8	-	-	0.76	508.	2.43	4.69
9	-	-	0.78	501.	2.32	4.38
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	0.65	445.	2.23	4.09
1982	-	-	-	-	-	-

LOCATION : WI11 NUBAREYA CANAL K75 YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.53	1033.	4.93	10.45
2	-	-	-	-	-	-
3	-	-	0.98	650.	3.44	6.96
4	-	-	1.15	804.	4.93	9.77
5	-	-	1.10	737.	4.56	8.94
6	-	-	1.03	694.	3.83	7.41
7	-	-	1.33	890.	5.57	10.36
8	-	-	1.14	761.	5.39	9.79
9	-	-	1.11	731.	4.74	8.68
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	1.07	706.	4.43	8.26
1982	-	-	-	-	-	-

LOCATION : WI12 NUBAREYA CANAL K100 YEAR : 1981 CODE : 24

MONTH	DISCHARGE IO**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	1.38	932.	4.78	10.11
5	-	-	1.53	1033.	5.93	12.22
6	-	-	1.54	1093.	4.07	9.31
7	-	-	1.50	977.	4.81	10.37
8	-	-	1.25	792.	3.78	7.95
9	-	-	1.34	893.	4.44	9.22
10	-	-	-	-	-	-
11	-	-	1.85	1270.	5.95	12.90
12	-	-	1.53	1021.	4.28	9.16
1981	-	-	-	-	-	-

LOCATION : WI12 NUBAREYA CANAL K100 YEAR : 1982 CODE : 24

MONTH	DISCHARGE IO**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.50	961.	4.49	9.47
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	1.87	1249.	7.04	14.64
5	-	-	1.64	1101.	5.83	12.38
6	-	-	1.84	1221.	7.76	15.67
7	-	-	2.05	1346.	10.79	21.19
8	-	-	2.14	1360.	12.38	23.99
9	-	-	2.00	1289.	9.10	18.89
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	1.53	1021.	5.85	11.93
1982	-	-	-	-	-	-

LOCATION : WNO1 DRAIN NO 3 YEAR : 1981 CODE : 23
Q = 0.03 * WETTED CROSS SECTION * FLOAT VELOCITY

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
5	-	3.14	5.47	3783.	17.74	42.44
6	-	3.30	5.86	4153.	14.50	38.35
7	-	3.32	6.96	4700.	29.40	66.94
8	-	3.04	6.12	4129.	18.84	46.09
9	-	3.54	5.60	3854.	16.77	40.98
10	-	-	-	-	-	-
11	-	3.75	6.66	4744.	21.51	51.25
12	-	-	-	-	-	-
1981	-	-	-	-	-	-

LOCATION : WNO1 DRAIN NO 3 YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	5.44	3734.	13.91	34.87
2	-	-	-	-	-	-
3	-	-	5.41	3667.	14.75	37.10
4	-	-	5.68	3954.	16.83	42.13
5	-	-	5.57	3734.	17.14	42.10
6	-	-	5.28	3668.	16.76	40.41
7	-	-	5.76	4032.	17.99	43.50
8	-	-	-	-	-	-
9	-	-	5.86	3866.	19.42	44.94
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	4.88	3238.	16.41	37.54
1982	-	-	-	-	-	-

LOCATION : WNO2 DRAIN NO 6 YEAR : 1981 CODE : 23
Q = 0.85 * WETTED CROSS SECTION * FLOAT VELOCITY

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
5	-	8.00	6.03	4167.	16.90	40.75
6	-	6.82	5.05	3484.	11.75	28.97
7	-	9.94	4.04	2691.	13.86	29.17
8	-	7.61	4.86	3180.	15.81	34.83
9	-	8.51	5.01	3333.	14.47	34.01
10	-	13.00	-	-	-	-
11	-	11.38	5.98	4104.	19.23	43.91
12	-	-	-	-	-	-
1981	-	-	-	-	-	-

LOCATION : WNO2 DRAIN NO 6 YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	5.24	3488.	13.44	31.94
2	-	-	-	-	-	-
3	-	-	5.43	3614.	14.63	35.32
4	-	-	5.85	3982.	17.09	41.17
5	-	-	5.59	3788.	17.63	40.78
6	-	-	5.47	3700.	19.13	42.76
7	-	-	5.81	4010.	19.32	44.63
8	-	-	-	-	-	-
9	-	-	5.45	3604.	16.54	38.06
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	4.56	3082.	13.76	31.12
1982	-	-	-	-	-	-

LOCATION : WN03 EL NORE DRAIN YEAR : 1981 CODE : 23
Q = 0.85 * WETTED CROSS SECTION * FLOAT VELOCITY

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
5	-	4.26	6.08	4374.	14.92	37.20
6	-	4.20	5.95	4132.	14.11	36.13
7	-	2.99	4.81	3278.	12.75	30.37
8	-	1.93	4.80	3297.	12.41	29.19
9	-	1.99	5.60	3929.	12.92	32.01
10	-	-	-	-	-	-
11	-	1.25	5.52	3868.	13.07	31.44
12	-	-	-	-	-	-
1981	-	-	-	-	-	-

LOCATION : WN03 EL NORE DRAIN YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	6.78	4668.	13.62	34.33
4	-	-	6.65	4643.	14.79	37.19
5	-	-	6.07	4227.	14.80	36.26
6	-	-	6.88	4928.	15.89	39.15
7	-	-	7.29	5196.	15.70	39.47
8	-	-	-	-	-	-
9	-	-	7.43	5099.	16.50	39.85
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	5.38	3181.	11.94	29.18
1982	-	-	-	-	-	-

LOCATION : WT01 TABIA PS YEAR : 1980 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	24.49	-	-	-	-	-
2	24.06	-	-	-	-	-
3	35.36	-	2.18	1447.	7.16	17.72
4	44.26	-	2.13	1345.	5.01	11.89
5	44.40	-	2.06	1320.	5.31	12.89
6	42.59	-	2.12	1326.	5.71	14.03
7	46.18	-	2.32	1508.	7.00	17.37
8	51.38	-	2.03	1350.	6.30	15.25
9	51.70	-	2.13	1416.	5.93	14.45
10	51.90	-	2.12	1412.	4.68	12.41
11	44.65	-	2.45	1749.	7.47	18.70
12	35.90	-	2.65	1819.	7.90	19.32
1980	496.87	-	-	-	-	-

LOCATION : WT01 TABIA PS YEAR : 1981 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	33.45	-	4.88	3324.	15.66	41.76
2	24.88	-	3.31	1986.	8.02	19.67
3	42.77	-	1.68	1019.	5.58	12.29
4	43.46	-	1.92	1278.	6.38	15.05
5	45.91	-	1.85	1278.	7.09	16.59
6	41.98	-	1.69	1162.	5.13	12.83
7	50.12	-	2.25	1388.	8.26	19.28
8	51.12	-	2.13	1328.	7.37	17.21
9	53.78	-	2.19	1424.	6.43	15.56
10	53.74	-	1.99	1312.	7.06	16.34
11	40.28	-	2.08	1415.	6.23	15.07
12	36.33	-	1.89	1254.	5.57	13.33
1981	517.82	-	2.23	1455.	7.37	17.67

LOCATION : WT01 TABIA PS YEAR : 1982 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	28.71	-	4.32	3241.	11.78	30.87
2	23.15	-	3.31	2425.	8.24	21.48
3	36.43	-	1.76	1127.	5.14	11.90
4	52.50	-	1.86	1224.	6.22	14.39
5	50.40	-	1.87	1223.	6.06	14.09
6	47.27	-	2.05	1407.	7.25	17.00
7	53.04	-	2.22	1468.	7.45	17.22
8	60.86	-	2.21	1442.	6.65	15.95
9	57.59	-	2.30	1466.	8.10	19.06
10	63.16	-	2.10	1357.	7.14	16.66
11	55.50	-	-	-	-	-
12	41.92	-	2.19	1455.	7.13	17.27
1982	570.13	-	-	-	-	-

LOCATION : WT01 TABIA PS YEAR : 1983 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	40.04	-	-	-	-	-
2	23.26	-	2.72	1714.	6.06	14.20
3	36.31	-	2.37	1556.	7.79	17.88
4	42.60	-	2.32	1566.	8.12	19.31
5	53.93	-	2.06	1384.	10.34	22.06
6	55.42	-	2.36	1636.	12.20	27.18
7	59.39	-	-	-	-	-
8	57.68	-	2.44	1655.	9.06	21.71
9	57.67	-	2.08	1333.	6.64	15.31
10	59.57	-	2.19	1434.	6.89	16.68
11	45.27	-	2.15	1397.	6.13	14.57
12	43.99	-	1.64	1028.	5.24	11.39
1983	575.13	-	-	-	-	-

LOCATION : WUO1 BHEREISHRA BRIDGE YEAR : 1980 CODE : 23
Q = 0.85 * WETTED CROSS SECTION * FLOAT VELOCITY

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	1.66	2.19	1534.	8.20	20.40
4	-	7.29	2.16	1455.	6.97	15.58
5	-	9.79	2.07	1348.	5.56	13.33
6	-	1.70	4.35	3015.	12.05	33.66
7	-	13.63	2.33	1568.	8.71	20.43
8	-	6.09	2.16	1457.	7.50	17.85
9	-	9.72	2.23	1521.	6.34	15.63
10	-	0.00	2.34	1546.	5.76	15.25
11	-	1.34	3.71	2465.	13.44	31.81
12	-	9.20	2.67	1790.	10.10	22.83
1980	-	-	-	-	-	-

LOCATION : WUO1 BHEREISHRA BRIDGE YEAR : 1981 CODE : 23
Q = 0.85 * WETTED CROSS SECTION * FLOAT VELOCITY

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	2.54	2.76	1925.	9.43	22.70
2	-	0.90	2.40	1489.	6.25	15.03
3	-	3.72	2.30	1415.	6.10	14.64
4	-	10.61	1.69	1138.	6.41	14.33
5	-	14.38	1.78	1197.	7.07	15.76
6	-	5.23	3.21	2261.	13.48	31.06
7	-	1.35	3.18	2195.	11.99	28.72
8	-	-	-	-	-	-
9	-	7.86	2.63	1729.	9.07	21.90
10	-	9.00	2.10	1381.	7.65	17.54
11	-	2.24	2.20	1458.	7.65	17.56
12	-	5.31	2.67	1787.	9.20	21.46
1981	-	-	-	-	-	-

LOCATION : WUO1 BHEREISHRA BRIDGE YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	2.38	1528.	6.20	15.13
3	-	-	3.20	2086.	11.86	27.49
4	-	-	1.87	1305.	6.58	15.35
5	-	-	1.90	1300.	6.94	15.99
6	-	-	1.73	1229.	6.94	15.95
7	-	-	2.09	1451.	7.49	17.44
8	-	-	2.75	1921.	8.94	22.36
9	-	-	2.50	1726.	9.37	21.96
10	-	-	2.34	1617.	8.14	19.35
11	-	-	-	-	-	-
12	-	-	2.80	1888.	9.30	22.14
1982	-	-	-	-	-	-

LOCATION : WUO1 BHEREISHRA BRIDGE YEAR : 1983 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	5.00	3187.	12.98	32.87
3	-	-	3.13	2103.	9.71	22.93
4	-	-	2.21	1508.	7.60	17.27
5	-	-	2.64	1779.	13.33	28.27
6	-	-	1.96	1355.	11.56	23.77
7	-	-	2.41	1686.	9.88	23.23
8	-	-	2.58	1783.	10.76	24.90
9	-	-	2.13	1452.	6.48	14.96
10	-	-	2.20	1495.	6.66	15.79
11	-	-	2.45	1590.	8.67	18.88
12	-	-	3.05	1970.	7.88	18.95
1983	-	-	-	-	-	-

LOCATION : WU02 BHEREISHRA PS YEAR : 1980 CODE : 11
Q = 7.900 - (0.000) * H ; QCAP = 7.900 HAV = 1.550

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	36.74	37.03	-	-	-	-
2	26.64	26.31	-	-	-	-
3	38.07	38.51	3.23	2121.	11.67	28.34
4	39.57	40.41	3.08	1955.	9.77	22.59
5	37.96	38.39	2.41	1566.	6.80	16.52
6	38.31	38.51	2.68	1747.	8.19	19.19
7	33.09	33.79	3.26	2242.	9.98	25.66
8	42.02	44.68	3.11	2135.	9.63	24.67
9	51.68	53.01	2.75	1936.	8.52	21.31
10	52.29	52.61	2.58	1736.	6.05	16.14
11	38.86	39.53	4.11	2861.	11.09	29.29
12	46.21	45.79	3.89	2750.	13.31	32.62
1980	481.44	488.57	-	-	-	-

LOCATION : WU02 BHEREISHRA PS YEAR : 1981 CODE : 11
Q = 7.900 - (0.000) * H ; QCAP = 7.900 HAV = 1.550

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	37.30	36.86	3.97	2880.	13.88	36.47
2	19.68	19.37	4.28	2789.	9.39	24.13
3	37.61	37.17	2.43	1551.	7.87	17.56
4	35.21	33.82	3.45	2400.	11.48	28.03
5	34.93	34.85	2.92	2010.	10.79	25.56
6	33.97	33.59	3.90	2716.	13.26	32.76
7	39.79	39.47	3.57	2187.	9.06	23.34
8	36.31	36.89	3.51	2239.	9.89	25.46
9	52.63	52.02	2.66	1782.	8.24	20.11
10	57.67	57.28	2.50	1703.	8.79	20.68
11	45.56	45.05	2.68	1850.	8.88	21.43
12	43.28	42.77	2.51	1693.	8.00	19.02
1981	473.94	468.83	3.05	2079.	9.77	24.06

LOCATION : WU02 BHEREISHRA PS YEAR : 1982 CODE : 11
Q = 7.900 - (0.000) * H ; QCAP = 7.900 HAV = 1.550

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	49.50	50.94	-	-	-	-
2	26.87	26.56	2.87	1857.	7.31	18.52
3	34.73	34.33	3.50	2284.	12.30	29.18
4	41.94	41.47	2.33	1588.	8.21	19.11
5	45.43	44.91	2.24	1508.	7.32	17.19
6	49.86	49.29	2.73	1871.	9.30	21.78
7	20.08	19.85	4.47	3208.	12.69	34.14
8	48.89	48.32	2.90	1976.	8.80	21.71
9	67.18	66.38	2.56	1739.	8.69	20.33
10	62.80	62.06	2.35	1621.	8.05	18.83
11	49.94	49.17	-	-	-	-
12	53.47	52.84	2.41	1622.	8.41	19.47
1982	550.69	546.10	-	-	-	-

LOCATION : WU02 BHEREISHRA PS YEAR : 1983 CODE : 11
Q = 7.900 - (0.000) * H ; QCAP = 7.900 HAV = 1.550

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	52.72	51.93	-	-	-	-
2	22.50	22.24	4.74	3068.	9.86	24.44
3	35.79	35.38	3.09	2098.	9.15	22.05
4	37.61	37.17	2.80	1925.	9.66	22.54
5	42.50	42.01	2.68	1817.	11.47	25.12
6	45.64	45.11	2.79	1915.	10.27	23.59
7	49.19	48.60	3.24	2239.	12.43	29.54
8	48.35	47.78	3.37	2351.	11.45	28.14
9	59.13	58.42	2.72	1892.	8.74	21.02
10	58.03	57.34	2.59	1790.	8.68	20.29
11	46.59	46.04	2.71	1829.	7.43	17.27
12	50.77	49.88	2.61	1717.	7.91	17.65
1983	548.82	541.90	-	-	-	-

LOCATION : WU03 TRUQA PS YEAR : 1980 CODE : 11
Q = 10.830 - (1.370) * H ; QCAP = 7.405 HAV = 2.500

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	31.37	32.83	-	-	-	-
2	23.92	25.84	-	-	-	-
3	37.44	40.08	4.36	3008.	14.12	36.03
4	33.62	35.78	3.91	2620.	15.47	35.84
5	34.50	37.02	4.27	2754.	10.93	27.64
6	35.06	37.62	3.07	1935.	7.86	18.83
7	35.24	37.67	4.02	2732.	11.38	29.31
8	41.32	45.42	3.20	2182.	9.79	24.49
9	47.11	48.77	3.11	2141.	6.68	17.39
10	50.98	51.66	3.13	2096.	7.59	20.18
11	40.97	40.72	4.52	3213.	13.27	34.46
12	44.59	43.69	5.02	3473.	13.12	33.43
1980	456.12	477.11	-	-	-	-

LOCATION : WU03 TRUQA PS YEAR : 1981 CODE : 11
Q = 10.830 - (1.370) * H ; QCAP = 7.405 HAV = 2.500

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	39.71	41.26	4.79	3336.	13.25	36.02
2	21.80	23.94	4.73	3062.	10.39	27.21
3	37.93	40.52	3.55	2295.	9.75	23.61
4	36.26	39.45	4.39	2962.	12.87	31.93
5	33.13	36.70	4.62	3199.	14.23	35.81
6	36.11	39.70	4.21	2882.	13.65	33.17
7	36.18	40.08	4.41	2761.	11.80	30.28
8	41.40	45.85	3.68	2247.	9.68	24.72
9	44.00	48.73	3.31	2149.	8.41	21.27
10	47.84	51.09	3.14	1995.	8.64	20.92
11	38.12	37.00	3.40	2228.	9.39	23.08
12	37.34	36.61	4.14	2774.	11.17	27.87
1981	449.82	480.93	3.92	2613.	11.01	27.76

LOCATION : WU03 TRUQA PS YEAR : 1982 CODE : 11
Q = 10.830 - (1.370) * H ; QCAP = 7.405 HAV = 2.500

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	40.75	40.00	4.06	2703.	10.60	26.61
2	22.93	23.31	4.85	3156.	10.65	28.31
3	35.76	36.94	3.72	2461.	10.80	25.85
4	36.69	37.40	3.98	2699.	11.54	28.56
5	37.32	38.41	3.64	2498.	10.87	26.53
6	37.52	37.52	3.72	2591.	12.45	30.50
7	46.53	47.06	3.54	2389.	11.08	26.66
8	45.73	49.75	3.87	2673.	10.58	26.92
9	53.03	53.52	3.70	2507.	10.64	26.43
10	51.51	51.52	3.09	1974.	7.34	18.20
11	48.77	45.43	-	-	-	-
12	46.54	42.88	3.82	2508.	10.32	25.31
1982	503.08	503.74	-	-	-	-

LOCATION : WU03 TRUQA PS YEAR : 1983 CODE : 11
Q = 10.830 - (1.370) * H ; QCAP = 7.405 HAV = 2.500

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	40.75	40.00	-	-	-	-
2	22.93	23.31	6.26	4041.	15.32	41.36
3	35.76	36.94	3.77	2532.	10.30	24.35
4	36.69	37.40	2.84	1885.	9.85	22.34
5	45.91	46.35	3.90	2565.	18.79	40.05
6	44.79	45.70	4.08	2790.	16.32	37.80
7	52.64	55.28	4.41	3056.	13.87	34.41
8	56.69	61.06	4.35	3006.	14.60	35.79
9	59.44	66.35	2.97	2071.	8.61	20.94
10	55.20	58.92	3.48	2397.	10.07	24.69
11	52.87	55.09	3.15	2079.	8.62	19.84
12	53.17	49.07	3.29	2071.	7.97	18.10
1983	556.54	575.47	-	-	-	-

LOCATION : WU04 DUSHUDI BRIDGE YEAR : 1980 CODE : 23
Q = 0.85 * WETTED CROSS SECTION * FLOAT VELOCITY

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	73.42	3.51	2273.	12.91	28.43
5	-	69.59	3.47	2137.	9.67	23.64
6	-	71.38	3.24	2129.	9.79	23.32
7	-	60.95	3.81	2588.	11.53	28.97
8	-	84.92	3.35	2239.	11.60	28.28
9	-	83.31	3.10	2113.	10.76	26.25
10	-	67.52	3.11	2093.	8.56	22.46
11	-	-	-	-	-	-
12	-	-	-	-	-	-
1980	-	-	-	-	-	-

LOCATION : WU04 DUSHUDI BRIDGE YEAR : 1981 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	4.95	3499.	14.94	39.90
2	-	-	4.93	3173.	10.52	27.42
3	-	-	3.31	2077.	8.56	20.97
4	-	-	4.01	2723.	13.34	32.12
5	-	-	4.20	2847.	17.34	40.28
6	-	-	4.57	3091.	15.88	38.27
7	-	-	3.99	2588.	10.91	27.47
8	-	-	3.75	2385.	11.33	27.93
9	-	-	3.43	2301.	10.71	26.47
10	-	-	3.31	2260.	10.89	26.14
11	-	-	3.18	2154.	8.63	21.28
12	-	-	3.57	2390.	9.89	24.35
1981	-	-	3.90	2620.	11.75	29.17

LOCATION : WU04 DUSHUDI BRIDGE YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	3.70	2483.	10.09	25.25
2	-	-	3.41	2177.	9.06	22.67
3	-	-	2.76	1748.	7.47	18.26
4	-	-	4.31	2855.	12.42	31.29
5	-	-	3.59	2336.	10.71	26.12
6	-	-	3.18	2186.	10.56	25.40
7	-	-	3.21	2217.	10.63	25.66
8	-	-	3.08	2058.	7.53	19.10
9	-	-	3.05	2078.	9.63	23.92
10	-	-	2.81	1914.	9.14	21.80
11	-	-	-	-	-	-
12	-	-	3.27	2148.	10.24	24.24
1982	-	-	-	-	-	-

LOCATION : WU04 DUSHUDI BRIDGE YEAR : 1983 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	5.31	3404.	12.43	31.98
3	-	-	4.15	2764.	11.61	28.45
4	-	-	3.63	2412.	12.20	28.79
5	-	-	3.06	2006.	12.30	27.74
6	-	-	3.42	2314.	15.07	33.93
7	-	-	3.62	2489.	12.24	29.66
8	-	-	3.77	2571.	12.99	31.01
9	-	-	3.04	2116.	10.11	23.49
10	-	-	2.19	1495.	7.15	16.54
11	-	-	2.59	1671.	7.60	17.29
12	-	-	3.05	1995.	10.16	22.41
1983	-	-	-	-	-	-

LOCATION : WUO5 DUSHUDI PS YEAR : 1980 CODE : 11
Q = 10.320 - (2.010) * H ; QCAP = 5.737 HAV = 2.280

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	15.24	15.43	-	-	-	-
2	15.42	16.84	-	-	-	-
3	22.11	22.91	8.04	5241.	23.10	59.97
4	22.29	23.87	4.86	3029.	17.29	39.19
5	24.19	25.96	5.50	3214.	12.58	31.82
6	24.90	26.69	4.95	3118.	11.70	28.86
7	27.32	30.38	4.74	3005.	12.27	31.70
8	28.79	31.35	4.60	3035.	12.65	32.17
9	29.58	33.97	4.34	2812.	12.03	28.99
10	27.73	31.06	3.58	2301.	9.09	23.99
11	26.30	26.90	6.58	4551.	17.68	45.63
12	21.81	22.08	9.14	6119.	18.13	48.30
1980	285.68	307.43	-	-	-	-

LOCATION : WUO5 DUSHUDI PS YEAR : 1981 CODE : 11
Q = 10.320 - (2.010) * H ; QCAP = 5.737 HAV = 2.280

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	18.88	19.05	11.74	8206.	25.95	73.08
2	12.94	13.84	12.17	8048.	20.18	54.00
3	22.62	22.63	5.47	3567.	13.18	32.58
4	20.69	21.99	6.28	4135.	16.20	40.64
5	22.21	24.23	5.72	3810.	16.42	40.38
6	23.77	26.16	6.79	4537.	17.59	45.10
7	31.81	35.40	5.02	2946.	11.40	29.42
8	30.15	34.45	4.13	2446.	9.93	25.76
9	30.28	35.94	3.35	2112.	8.32	20.93
10	31.76	34.59	4.00	2636.	12.26	29.55
11	26.53	27.62	5.19	3202.	11.81	30.04
12	24.20	25.69	5.49	3349.	12.09	30.53
1981	299.54	321.58	5.67	3671.	14.01	35.88

LOCATION : WUO5 DUSHUDI PS YEAR : 1982 CODE : 11
Q = 10.320 - (2.010) * H ; QCAP = 5.737 HAV = 2.280

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	23.19	27.40	4.61	2669.	9.57	24.11
2	11.76	11.89	9.20	5185.	14.33	40.20
3	19.08	17.13	5.88	3498.	15.13	36.88
4	21.82	24.35	4.96	3141.	13.25	32.49
5	22.64	24.14	4.15	2558.	11.33	27.44
6	25.42	26.62	5.20	3442.	13.62	34.46
7	24.64	27.45	5.42	3575.	14.29	36.09
8	28.19	29.12	5.55	3613.	13.80	35.58
9	29.50	33.57	4.09	2628.	11.42	28.09
10	27.64	30.37	4.64	2986.	10.60	26.65
11	19.56	18.29	-	-	-	-
12	16.48	16.71	5.29	3318.	13.69	34.12
1982	261.88	287.04	-	-	-	-

LOCATION : WUO5 DUSHUDI PS YEAR : 1983 CODE : 11
Q = 10.320 - (2.010) * H ; QCAP = 5.737 HAV = 2.280

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	15.37	18.81	-	-	-	-
2	14.14	13.87	8.99	5072.	18.18	46.34
3	17.47	17.48	5.24	3304.	14.33	34.21
4	19.53	19.14	6.70	4180.	19.23	43.71
5	21.66	20.91	-	-	-	-
6	23.88	23.95	5.73	3710.	18.29	43.09
7	26.29	26.34	5.60	3727.	15.75	39.67
8	27.27	28.06	5.09	3396.	14.89	37.09
9	29.84	34.87	3.56	2393.	9.90	23.63
10	28.28	30.14	4.65	3063.	12.00	29.82
11	19.97	20.66	5.97	3920.	14.24	34.95
12	23.37	23.96	5.30	3270.	12.00	27.28
1983	267.07	277.20	-	-	-	-

LOCATION : WU06 HARES PS YEAR : 1980 CODE : 11
Q = 11.440 - (1.730) * H ; QCAP = 6.250 HAV = 3.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	40.15	30.52	-	-	-	-
2	30.60	19.31	-	-	-	-
3	41.89	31.12	21.28	14320.	39.27	108.18
4	32.24	24.58	21.53	13590.	34.73	93.75
5	28.99	22.45	19.89	11724.	28.35	77.14
6	29.28	22.15	17.88	10769.	27.57	72.03
7	29.80	23.03	21.02	13013.	34.85	95.17
8	35.14	26.52	18.98	12387.	35.58	95.16
9	42.20	31.78	15.24	9641.	25.58	68.92
10	51.14	38.99	14.60	9229.	23.61	67.74
11	49.77	37.07	17.04	11704.	31.77	87.05
12	48.59	36.44	20.01	13744.	37.68	99.21
1980	459.75	343.95	-	-	-	-

LOCATION : WU06 HARES PS YEAR : 1981 CODE : 11
Q = 11.440 - (1.730) * H ; QCAP = 6.250 HAV = 3.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	44.84	34.64	23.52	16767.	41.74	118.71
2	26.85	21.32	23.63	16866.	34.02	92.06
3	37.47	29.11	17.56	11721.	29.24	77.31
4	41.16	31.95	17.16	11965.	32.52	82.68
5	34.43	25.99	17.89	12067.	29.76	80.01
6	34.86	26.69	17.84	12371.	32.17	84.27
7	35.81	27.10	21.19	13298.	32.24	88.40
8	39.30	26.85	20.06	12530.	36.90	101.96
9	39.49	30.34	16.75	10724.	29.47	80.02
10	48.85	40.17	16.51	11019.	33.81	87.79
11	50.24	38.48	14.17	9189.	25.23	66.39
12	45.91	36.01	15.34	10190.	28.05	72.32
1981	475.21	368.65	18.08	12188.	31.99	85.74

LOCATION : WU06 HARES PS YEAR : 1982 CODE : 11
Q = 11.440 - (1.730) * H ; QCAP = 6.250 HAV = 3.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	52.52	39.38	8.87	5469.	15.81	40.38
2	34.17	26.61	14.00	8367.	21.18	56.89
3	38.86	29.83	18.15	11802.	31.78	83.09
4	40.08	31.56	16.61	11289.	31.90	82.02
5	44.19	34.51	13.50	8657.	24.68	65.94
6	45.11	34.62	14.20	9680.	28.57	75.30
7	46.03	35.07	15.08	10324.	29.58	78.61
8	46.80	35.63	14.81	10023.	26.87	71.06
9	57.33	43.29	13.39	8924.	27.79	73.89
10	54.31	40.59	13.04	8725.	24.52	64.55
11	55.41	44.13	-	-	-	-
12	50.88	41.38	15.69	9474.	27.00	69.46
1982	565.69	436.60	-	-	-	-

LOCATION : WU06 HARES PS YEAR : 1983 CODE : 11
Q = 11.440 - (1.730) * H ; QCAP = 6.250 HAV = 3.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	32.82	24.49	-	-	-	-
2	47.06	36.82	17.93	10668.	27.80	72.19
3	48.41	36.32	17.70	11750.	31.00	79.74
4	39.46	29.95	18.13	12226.	33.75	85.94
5	51.27	40.45	-	-	-	-
6	49.85	38.06	14.26	9783.	36.98	90.96
7	53.32	40.93	15.62	10830.	30.13	79.19
8	50.60	32.84	14.10	9670.	26.82	71.54
9	59.13	31.91	12.08	8252.	21.19	54.45
10	62.89	36.34	12.65	8607.	22.20	58.11
11	59.64	30.65	14.01	9430.	24.34	61.62
12	61.44	47.33	10.78	6684.	19.17	46.12
1983	615.89	426.10	-	-	-	-

LOCATION : WU07 ABIES PS YEAR : 1980 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	BAR	ADJ BAR
1	2.17	-	-	-	-	-
2	1.11	-	-	-	-	-
3	2.62	-	11.14	7359.	26.32	70.70
4	2.87	-	10.09	6546.	19.07	49.60
5	3.29	-	7.53	4420.	12.84	34.55
6	3.61	-	4.76	2937.	7.59	20.19
7	4.70	-	5.73	3767.	15.98	41.93
8	5.40	-	4.11	2756.	11.32	28.83
9	4.57	-	5.69	3732.	10.82	29.30
10	4.68	-	7.38	4802.	12.42	35.47
11	3.86	-	13.59	9701.	23.76	67.42
12	3.02	-	17.42	12289.	24.60	70.52
1980	41.90	-	-	-	-	-

LOCATION : WU07 ABIES PS YEAR : 1981 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	BAR	ADJ BAR
1	2.64	-	19.25	13788.	31.92	94.23
2	1.41	-	24.00	16577.	45.11	118.04
3	3.36	-	14.00	9109.	28.75	74.25
4	3.12	-	12.05	8215.	22.15	60.69
5	3.58	-	6.53	4459.	13.53	36.16
6	4.02	-	6.54	4566.	14.25	38.38
7	4.71	-	5.70	3533.	8.66	23.91
8	4.24	-	6.97	4616.	13.81	37.94
9	4.60	-	5.76	3830.	11.50	31.07
10	4.19	-	5.21	3617.	12.03	31.42
11	3.36	-	7.28	5046.	14.58	39.19
12	3.13	-	7.87	4951.	14.32	38.25
1981	42.36	-	8.74	5917.	17.64	47.81

LOCATION : WU07 ABIES PS YEAR : 1982 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	BAR	ADJ BAR
1	3.16	-	4.55	2927.	8.27	21.44
2	1.89	-	17.15	10122.	21.16	60.80
3	2.34	-	15.42	9513.	24.94	63.91
4	2.57	-	6.17	3998.	14.71	37.19
5	2.78	-	5.59	3699.	12.64	32.79
6	4.53	-	6.36	4073.	13.48	36.10
7	4.70	-	5.84	3622.	11.37	30.17
8	6.20	-	5.54	3715.	10.43	28.38
9	6.17	-	6.00	4009.	12.96	34.37
10	5.26	-	5.47	3630.	10.37	28.00
11	4.10	-	-	-	-	-
12	3.43	-	4.95	3073.	12.19	31.16
1982	47.13	-	-	-	-	-

LOCATION : WU07 ABIES PS YEAR : 1983 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	BAR	ADJ BAR
1	3.97	-	-	-	-	-
2	2.69	-	8.54	5183.	15.06	38.23
3	2.99	-	8.76	5769.	16.43	42.39
4	3.12	-	9.55	6310.	18.41	49.23
5	3.41	-	9.23	6152.	19.19	49.34
6	3.09	-	7.64	5049.	16.61	43.43
7	6.14	-	6.00	4202.	13.67	36.76
8	8.29	-	5.08	3533.	11.75	30.52
9	8.57	-	5.72	3926.	12.06	31.50
10	5.91	-	6.63	4543.	12.55	33.74
11	4.82	-	6.56	4316.	15.57	38.11
12	3.96	-	7.65	4867.	14.71	36.29
1983	58.96	-	-	-	-	-

LOCATION : WUOB GALAA PS YEAR : 1980 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	11.34	-	-	-	-	-
2	12.01	-	-	-	-	-
3	14.59	-	-	-	-	-
4	15.13	-	3.53	2087.	9.76	22.79
5	15.85	-	3.33	1900.	8.16	21.00
6	21.49	-	3.32	1978.	7.75	19.31
7	20.71	-	3.89	2382.	9.87	25.62
8	18.78	-	3.85	2442.	12.93	31.88
9	17.24	-	3.50	2247.	9.01	23.68
10	17.14	-	3.36	2081.	8.05	21.76
11	15.74	-	3.74	2381.	11.18	28.85
12	13.23	-	2.87	1962.	9.63	23.77
1980	193.25	-	-	-	-	-

LOCATION : WUOB GALAA PS YEAR : 1981 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	11.36	-	5.16	3498.	13.87	38.20
2	10.79	-	7.18	4351.	12.78	34.05
3	12.52	-	3.16	1833.	8.58	20.42
4	14.59	-	3.98	2491.	10.51	27.51
5	16.86	-	2.97	1907.	9.48	23.58
6	16.77	-	1.85	1177.	5.17	12.12
7	17.99	-	2.28	1375.	6.44	15.25
8	19.52	-	1.94	1198.	5.52	13.44
9	23.07	-	2.36	1444.	5.76	14.44
10	22.48	-	2.58	1665.	8.51	20.79
11	19.88	-	3.65	2273.	9.40	23.91
12	21.87	-	3.46	2076.	9.03	22.72
1981	207.40	-	3.15	1951.	8.54	21.45

LOCATION : WUOB GALAA PS YEAR : 1982 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	17.77	-	2.79	1754.	5.98	15.09
2	13.51	-	3.12	1873.	5.95	15.33
3	14.22	-	2.84	1774.	5.99	15.13
4	17.40	-	3.17	2040.	10.06	24.58
5	14.57	-	3.09	1945.	9.71	23.98
6	15.72	-	3.13	2112.	9.64	24.29
7	17.52	-	3.41	2076.	8.94	22.14
8	21.39	-	2.80	1755.	7.78	19.18
9	26.39	-	2.47	1559.	7.50	18.19
10	23.01	-	2.57	1622.	7.60	17.92
11	18.64	-	-	-	-	-
12	17.67	-	3.82	2316.	10.57	25.92
1982	217.81	-	-	-	-	-

LOCATION : WUOB GALAA PS YEAR : 1983 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	13.74	-	-	-	-	-
2	13.62	-	4.42	2629.	10.61	27.64
3	18.25	-	3.43	2176.	10.10	24.04
4	21.26	-	3.03	1919.	9.40	22.49
5	20.18	-	3.18	2043.	13.20	29.79
6	18.12	-	3.83	2522.	15.79	36.11
7	23.19	-	3.08	2036.	10.88	25.47
8	24.41	-	2.69	1783.	10.03	23.40
9	23.63	-	2.57	1678.	7.81	18.44
10	22.69	-	2.89	1864.	8.54	21.04
11	24.02	-	3.03	1803.	8.24	19.19
12	21.25	-	3.09	1812.	7.47	16.84
1983	244.36	-	-	-	-	-

LOCATION : WU09 MAX PS YEAR : 1980 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	238.97	-	-	-	-	-
2	182.31	-	-	-	-	-
3	224.32	-	8.33	5572.	18.97	51.91
4	201.90	-	9.89	6289.	28.18	67.09
5	180.66	-	9.19	5393.	19.22	49.75
6	187.15	-	8.95	5219.	18.44	45.58
7	191.06	-	11.15	6933.	24.48	64.66
8	207.37	-	8.85	5642.	20.77	54.77
9	234.32	-	7.66	4941.	17.71	46.76
10	248.88	-	8.14	5092.	14.19	40.31
11	242.59	-	9.33	6553.	19.20	52.82
12	253.96	-	10.46	7079.	24.06	62.75
1980	2593.09	-	-	-	-	-

LOCATION : WU09 MAX PS YEAR : 1981 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	223.04	-	11.46	8016.	28.50	78.63
2	143.14	-	10.23	6546.	19.24	51.67
3	167.61	-	8.97	5415.	18.76	47.36
4	197.81	-	9.19	5942.	24.81	61.37
5	167.17	-	10.72	7172.	24.86	64.92
6	184.90	-	9.49	6452.	23.08	60.72
7	179.50	-	9.68	5800.	19.23	50.89
8	206.00	-	6.68	3896.	14.74	37.71
9	207.77	-	7.62	4794.	17.29	45.02
10	229.09	-	6.62	4015.	15.55	39.98
11	226.24	-	8.10	5380.	17.88	46.47
12	233.77	-	8.96	5415.	18.74	47.81
1981	2362.06	-	8.74	5677.	20.18	52.64

LOCATION : WU09 MAX PS YEAR : 1982 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	259.51	-	13.86	8105.	34.57	85.55
2	193.20	-	12.68	7273.	25.39	66.97
3	185.99	-	8.13	4811.	15.19	39.89
4	201.55	-	8.36	5676.	20.57	52.62
5	210.25	-	7.62	4787.	18.16	46.36
6	235.26	-	7.90	5174.	19.03	49.12
7	215.76	-	8.84	5910.	20.42	53.24
8	229.18	-	8.47	5398.	18.66	48.86
9	243.95	-	8.52	5508.	21.13	54.09
10	265.62	-	7.50	4814.	16.88	42.94
11	228.14	-	-	-	-	-
12	274.73	-	6.76	4026.	14.74	36.65
1982	2743.14	-	-	-	-	-

LOCATION : WU09 MAX PS YEAR : 1983 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	263.80	-	-	-	-	-
2	198.05	-	9.45	5520.	17.94	45.64
3	201.68	-	9.22	5766.	19.91	49.08
4	181.32	-	9.59	6031.	22.37	56.27
5	212.50	-	8.83	5663.	26.18	62.79
6	200.03	-	8.93	5911.	27.18	66.72
7	227.06	-	9.29	6238.	23.17	59.19
8	216.91	-	-	-	-	-
9	266.79	-	9.47	6255.	22.47	56.56
10	312.64	-	8.78	5711.	19.61	48.91
11	267.43	-	10.00	6161.	19.35	47.68
12	261.79	-	6.38	4010.	11.25	27.55
1983	2810.00	-	-	-	-	-

LOCATION : WB01 BARSIO PS YEAR : 1980 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q = - DISCHARGE IN M**3 PER SECOND
QO = 4.340 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -0.640 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 2.740 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 2.500 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1980 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	7.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	7.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	11.59	5.29	3406.	7.50	16.82	40.33	0.00	5.21	7.09	41.72	0.50	0.00	4.52	15.21	34.76
4	14.24	2.93	1817.	7.52	10.18	21.69	0.00	3.68	4.55	20.64	0.32	0.00	3.00	7.31	18.83
5	13.05	3.60	2181.	7.05	8.92	22.13	0.00	5.47	7.09	22.37	0.58	0.00	4.73	5.55	25.23
6	16.70	4.33	2915.	7.19	11.80	30.70	0.00	5.86	8.00	31.07	0.91	0.00	6.21	13.34	26.29
7	21.77	3.67	2471.	7.46	10.26	26.23	0.00	5.73	6.85	25.72	0.40	0.00	5.81	11.61	21.28
8	22.67	3.29	2121.	7.53	8.70	21.90	0.00	5.77	6.18	21.27	0.38	0.00	5.30	8.02	20.29
9	22.28	3.00	1960.	7.23	9.20	22.38	0.00	4.88	5.02	20.46	0.36	0.00	5.04	7.98	17.70
10	17.83	2.69	1739.	7.55	6.57	17.01	0.00	4.67	6.62	15.61	0.37	0.00	6.22	5.22	15.84
11	14.11	3.95	2741.	7.95	11.40	28.57	0.00	5.22	7.66	28.92	0.51	0.00	5.19	18.12	18.98
12	11.85	4.49	2914.	7.36	12.27	29.99	0.00	7.24	6.22	31.84	1.16	0.00	4.42	12.55	29.46
1980	181.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	12.37	5.36	3660.	7.97	15.74	41.71	0.00	4.53	9.53	41.74	1.23	0.00	7.36	18.90	30.77
2	6.82	8.35	5547.	7.41	17.40	46.40	0.00	12.18	14.13	63.11	0.81	0.00	5.26	25.24	59.76
3	13.38	3.29	1952.	7.51	9.43	22.00	0.00	3.91	6.33	21.34	0.39	0.00	3.93	4.67	23.34
4	14.07	3.22	2091.	7.79	10.44	24.51	0.00	3.82	5.87	22.98	0.39	0.00	4.31	9.46	19.28
5	15.12	3.64	2406.	7.77	7.32	18.78	0.00	3.61	13.40	21.35	0.51	0.00	4.59	13.33	20.89
6	14.47	4.36	2930.	7.23	10.51	27.22	0.00	4.95	11.26	29.92	0.58	0.00	5.33	15.32	26.05
7	21.44	3.94	2452.	7.41	12.10	29.44	0.00	5.37	5.51	28.22	0.31	0.00	4.97	7.35	27.11
8	20.81	5.03	3283.	7.33	16.66	40.76	0.00	4.97	6.53	39.94	0.51	0.00	5.29	15.21	31.45
9	24.11	3.82	2489.	7.83	11.23	27.98	0.00	4.69	7.09	27.26	0.43	0.00	5.29	10.39	23.83
10	20.17	3.05	2010.	7.94	10.30	24.06	0.00	3.77	5.30	21.93	0.41	0.00	4.38	9.90	17.15
11	15.83	2.51	1606.	7.69	4.96	12.17	0.00	4.29	8.56	12.58	0.38	0.00	4.00	7.59	14.22
12	14.04	3.04	1933.	7.59	8.37	20.15	0.00	4.23	6.76	19.62	0.32	0.00	4.34	7.84	18.69
1981	192.64	3.92	2551.	7.55	11.03	27.33	0.00	4.70	7.84	27.63	0.49	0.00	4.90	11.31	24.44

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	10.77	4.96	3088.	7.94	12.43	31.79	0.00	6.51	8.87	34.49	0.49	0.00	5.26	9.78	35.23
2	7.93	3.75	2223.	8.16	9.13	22.84	0.00	5.20	7.75	23.22	0.41	0.00	4.91	4.35	27.29
3	11.59	3.01	1899.	7.44	11.71	26.08	0.00	3.31	4.04	22.44	0.27	0.00	4.11	6.99	18.96
4	19.24	3.03	1983.	7.24	10.00	23.63	0.00	4.31	4.85	21.39	0.30	0.00	4.61	8.71	17.72
5	17.17	2.32	1511.	7.43	7.76	17.57	0.00	3.89	3.95	15.36	0.31	0.00	3.94	6.86	12.72
6	20.28	3.05	2054.	7.80	8.82	22.16	0.00	3.95	6.98	20.62	0.48	0.00	5.59	9.70	16.68
7	28.15	3.45	2270.	7.69	10.00	24.23	0.00	5.45	6.09	24.02	0.33	0.00	4.50	10.88	20.49
8	28.06	3.99	2615.	7.23	10.67	27.00	0.00	4.82	8.65	27.70	0.49	0.00	5.25	11.74	24.66
9	27.09	3.62	2352.	7.34	11.98	28.47	0.00	3.56	6.42	26.76	0.52	0.00	4.62	10.50	22.06
10	21.44	2.68	1771.	7.60	8.16	19.31	0.00	3.92	5.66	17.84	0.32	0.00	4.34	8.70	14.65
11	17.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	12.94	4.73	2865.	7.43	11.18	28.56	0.00	5.66	9.48	30.75	1.18	0.00	5.19	6.96	34.81
1982	218.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 12 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	11.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	6.52	7.95	4762.	7.46	18.33	47.53	0.00	8.46	11.81	58.37	0.94	0.00	5.22	9.80	64.44
3	10.40	4.05	2641.	7.55	11.91	27.48	0.00	5.87	6.81	28.98	0.52	0.00	4.01	12.61	25.53
4	17.81	2.86	1872.	7.84	9.28	20.99	0.00	4.98	4.18	19.85	0.39	0.00	3.63	9.35	16.42
5	18.88	2.40	1575.	7.93	10.01	21.74	0.00	3.56	2.72	17.74	0.21	0.00	3.96	7.58	12.70
6	26.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	30.85	3.84	2549.	7.96	12.53	28.26	0.00	3.87	6.77	28.89	0.41	0.00	3.42	16.67	19.77
8	29.06	3.81	2540.	7.79	13.28	31.28	0.00	3.58	6.25	29.44	0.27	0.06	4.50	15.15	19.82
9	28.66	2.88	1930.	8.46	8.86	21.09	0.00	4.38	5.67	19.83	0.34	0.49	3.90	10.77	15.10
10	22.99	3.06	2029.	8.17	8.71	21.32	0.00	4.59	6.63	20.61	0.28	0.61	4.13	10.43	16.97
11	17.68	2.97	1858.	8.30	6.99	16.82	0.00	4.31	8.25	17.53	0.15	0.37	3.47	8.16	18.30
12	17.50	2.54	1562.	7.95	6.75	14.81	0.00	3.65	6.46	15.19	0.09	0.03	2.76	6.89	15.74
1983	238.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WE01 ETAY BARUD PS YEAR : 1980 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	2.440	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	0.000	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP	=	2.440	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV	=	3.900	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1980 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	5.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	3.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	7.73	2.61	1848.	7.22	1.76	5.10	0.00	6.93	16.21	6.00	0.25	0.00	7.12	11.24	11.02
4	6.20	1.74	1215.	7.35	3.05	7.37	0.00	4.92	6.43	7.26	0.15	0.00	3.79	8.51	6.38
5	6.56	1.17	787.	7.16	2.90	6.64	0.00	3.65	2.79	5.20	0.12	0.00	4.17	2.56	5.06
6	8.26	0.93	628.	7.76	2.27	4.77	0.00	2.93	2.47	3.73	0.21	0.00	3.04	2.93	3.37
7	9.93	1.05	721.	7.71	2.30	5.34	0.00	3.97	2.34	4.08	0.23	0.00	4.45	1.77	4.35
8	10.88	1.18	789.	7.55	2.36	5.65	0.00	3.24	3.89	4.46	0.23	0.00	4.79	1.75	5.32
9	9.85	1.26	879.	7.34	2.51	6.19	0.00	3.96	3.89	4.97	0.20	0.00	5.30	2.68	5.04
10	8.70	1.13	753.	7.70	1.69	4.14	0.00	3.83	3.99	3.34	0.20	0.00	4.94	1.33	5.04
11	5.14	1.73	1283.	7.67	5.39	13.05	0.00	4.78	3.06	10.68	0.26	0.00	5.25	7.74	9.72
12	4.65	1.46	1065.	7.60	4.41	10.35	0.00	3.46	3.60	8.28	0.30	0.00	4.66	6.27	4.66
1980	86.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	3.22	2.46	1772.	7.47	6.85	18.38	0.00	5.13	5.24	15.60	0.34	0.00	8.44	6.84	11.03
2	3.07	2.34	1498.	7.35	5.14	12.94	0.00	5.54	5.49	12.08	0.44	0.00	5.14	4.76	13.65
3	6.26	1.07	732.	7.50	3.68	7.70	0.00	2.83	2.14	5.80	0.23	0.00	3.39	4.01	3.60
4	5.53	0.92	607.	7.43	1.92	4.06	0.00	2.47	3.26	3.25	0.20	0.00	2.97	2.66	3.56
5	5.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	6.84	0.91	655.	7.67	4.29	8.55	0.24	2.13	1.34	5.65	0.21	0.00	3.70	2.95	2.59
7	8.46	1.32	871.	7.53	3.70	8.50	0.00	4.54	1.69	6.53	0.27	0.00	4.47	1.82	6.75
8	8.81	1.46	986.	7.60	4.09	9.53	0.00	3.59	3.39	7.64	0.24	0.00	4.49	3.79	6.61
9	9.07	1.32	914.	7.85	2.67	6.57	0.00	4.46	3.63	5.38	0.16	0.00	5.11	3.04	5.43
10	8.40	1.38	938.	7.76	4.27	9.68	0.00	2.72	3.64	7.61	0.12	0.00	4.18	4.31	5.58
11	7.06	1.02	720.	7.63	2.95	6.33	0.00	3.20	2.34	4.90	0.10	0.00	3.42	3.97	3.14
12	6.97	1.06	712.	7.88	2.82	6.21	0.00	3.04	2.74	4.79	0.10	0.00	3.70	2.73	4.16
1981	79.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 17 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	5.31	2.24	1406.	7.79	5.37	13.74	0.00	5.70	4.23	11.96	0.13	0.00	6.15	1.94	13.90
2	1.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	5.90	1.48	947.	6.95	2.68	6.38	0.00	4.42	4.24	5.57	0.48	0.00	4.11	2.77	7.81
4	7.16	0.92	597.	7.25	2.46	5.28	0.00	2.93	2.00	3.86	0.13	0.00	3.61	1.03	4.26
5	8.17	0.69	464.	7.39	2.05	4.15	0.00	2.50	1.28	2.82	0.10	0.00	3.36	0.62	2.69
6	8.67	1.02	730.	7.66	3.07	6.74	0.00	3.89	1.50	5.03	0.10	0.00	3.88	3.43	3.17
7	11.09	1.15	806.	7.63	3.08	6.94	0.00	4.24	2.02	5.45	0.10	0.00	3.94	3.75	4.17
8	9.40	1.47	1041.	7.63	3.66	8.97	0.00	3.09	4.99	7.36	0.10	0.00	5.22	5.04	5.21
9	10.26	1.67	1198.	7.64	5.33	12.78	0.00	3.78	3.57	10.21	0.14	0.00	5.25	6.14	6.31
10	8.66	1.58	1078.	7.53	3.74	9.08	0.00	3.51	4.83	7.63	0.31	0.00	4.88	4.60	6.85
11	7.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	8.53	0.88	597.	7.48	2.81	5.66	0.00	2.67	1.68	4.15	0.20	0.00	3.53	1.75	3.42
1982	92.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 12 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	6.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	1.84	2.44	1642.	7.48	4.36	11.55	0.00	6.97	6.97	11.51	0.16	0.00	5.86	7.31	12.37
3	5.89	0.84	585.	8.31	1.69	3.59	0.00	2.61	3.09	2.86	0.09	0.00	2.99	3.36	2.29
4	6.23	0.81	573.	7.63	2.18	4.61	0.00	2.99	1.78	3.36	0.10	0.00	3.46	2.41	2.36
5	6.47	1.17	799.	7.75	6.31	11.84	0.00	2.05	1.31	8.18	0.10	0.00	3.14	4.38	4.18
6	6.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	7.67	1.09	784.	7.99	3.65	8.22	0.00	2.61	2.66	5.93	0.10	0.00	4.57	3.32	3.42
8	7.82	1.11	815.	7.87	4.92	10.62	0.28	2.68	1.61	7.20	0.10	0.08	4.49	3.71	3.32
9	10.01	0.90	647.	8.24	2.62	5.85	0.00	2.50	2.62	4.20	0.10	0.38	3.88	2.75	2.38
10	9.36	1.01	712.	7.98	2.50	5.81	0.00	2.79	3.24	4.34	0.10	0.14	4.50	2.40	3.35
11	8.08	1.02	683.	8.20	2.50	5.36	0.00	2.94	2.97	4.29	0.10	0.00	3.20	3.12	3.96
12	7.47	0.87	571.	7.90	2.09	4.24	0.00	2.67	2.51	3.37	0.09	0.00	2.68	2.71	3.15
1983	83.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WE02 SHUBRAKHIT PS YEAR : 1980 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q		- DISCHARGE IN M**3 PER SECOND
QO =	6.550	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B =	-0.860	- SLOPE OF CAPACITY CURVE
H		- SUCTION HEAD IN M
QCAP=	5.518	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =	1.200	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1980 ARE BASED ON 22 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	20.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	16.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	25.08	1.31	879.	7.47	3.35	7.87	0.00	4.09	2.64	6.15	0.25	0.00	4.68	2.42	5.97
4	25.21	1.28	847.	7.35	3.36	7.41	0.00	3.40	3.21	6.10	0.19	0.00	3.47	3.88	5.46
5	24.78	1.00	665.	6.88	2.35	5.31	0.00	3.40	2.34	3.99	0.16	0.00	4.10	1.31	4.42
6	25.87	1.05	672.	7.56	2.12	4.89	0.00	2.57	3.70	3.75	0.20	0.00	4.29	0.73	5.19
7	28.95	1.40	974.	7.81	4.08	9.83	0.00	3.78	2.92	7.46	0.20	0.00	5.54	2.81	5.94
8	28.34	1.48	1005.	7.85	4.00	9.74	0.00	3.64	3.60	7.60	0.20	0.00	5.53	2.71	6.72
9	30.34	1.55	1088.	7.54	4.66	11.19	0.00	4.04	3.03	8.76	0.24	0.00	5.35	4.28	6.44
10	31.31	1.21	818.	7.74	2.35	5.82	0.00	4.05	3.38	4.53	0.19	0.00	5.58	0.95	5.60
11	23.33	1.55	1125.	7.67	3.37	8.30	0.00	5.23	3.96	7.23	0.25	0.00	4.84	6.67	5.10
12	25.80	1.47	1017.	7.37	4.83	11.16	0.00	3.57	2.70	8.55	0.26	0.00	4.76	4.04	6.29
1980	305.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	21.11	2.55	1756.	7.97	5.51	14.93	0.00	5.33	7.32	13.86	0.35	0.00	7.49	6.52	12.92
2	16.07	3.33	2102.	7.36	7.03	17.95	0.00	9.07	5.41	16.93	0.27	0.00	4.89	7.26	21.51
3	32.05	1.12	727.	7.31	2.81	6.21	0.00	2.97	3.04	4.87	0.17	0.00	3.66	2.21	5.16
4	25.26	1.19	807.	7.53	3.45	7.83	0.00	2.49	3.39	5.92	0.21	0.00	4.30	2.70	5.07
5	27.40	0.84	552.	7.89	3.41	6.59	0.00	1.89	1.59	4.49	0.20	0.00	3.15	1.32	3.63
6	24.55	2.03	1465.	7.44	9.32	20.26	0.00	2.47	2.99	15.40	0.34	0.00	4.37	12.21	4.51
7	32.84	1.60	1142.	7.61	4.89	11.70	0.00	3.95	3.39	9.37	0.21	0.00	5.09	5.79	5.94
8	34.03	1.85	1303.	7.76	5.43	12.99	0.00	3.44	4.91	11.09	0.21	0.00	4.72	7.65	7.23
9	34.96	1.29	879.	7.73	3.17	7.59	0.00	3.39	3.62	5.93	0.16	0.00	5.03	2.55	5.52
10	32.99	1.19	801.	8.02	4.10	8.94	0.00	2.53	2.68	6.63	0.11	0.00	3.97	2.89	5.06
11	26.92	1.43	983.	7.70	3.84	8.82	0.00	4.19	3.16	7.36	0.09	0.00	3.99	5.03	5.75
12	26.08	1.33	849.	8.19	2.85	6.57	0.00	4.28	3.26	5.53	0.04	0.00	3.87	2.37	6.91
1981	334.26	1.55	1057.	7.65	4.50	10.52	0.00	3.60	3.60	8.59	0.19	0.00	4.48	4.67	6.76

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	21.13	2.43	1553.	8.27	3.15	8.50	0.00	7.58	8.30	8.87	0.09	0.00	5.88	4.95	14.03
2	11.28	2.24	1457.	8.20	3.42	9.11	0.00	7.10	6.73	8.98	0.12	0.00	5.95	4.56	12.43
3	23.23	1.23	771.	7.64	4.55	8.89	0.00	3.05	1.71	7.01	0.09	0.00	2.69	2.65	6.58
4	27.67	1.18	790.	7.28	3.24	7.27	0.00	3.55	2.54	5.65	0.10	0.00	3.99	2.65	5.21
5	28.96	0.89	587.	7.34	2.18	4.83	0.00	2.85	2.26	3.49	0.10	0.00	4.03	0.71	3.90
6	28.92	0.99	717.	7.72	2.96	6.56	0.00	3.11	2.22	4.84	0.10	0.00	4.06	3.45	2.80
7	32.99	1.25	862.	7.61	3.61	7.68	0.00	3.22	3.11	6.42	0.16	0.00	3.05	5.50	4.39
8	31.85	1.45	1014.	7.49	4.41	10.44	0.00	3.26	3.45	8.07	0.20	0.00	5.11	4.15	5.72
9	33.00	1.37	954.	7.79	4.83	10.95	0.00	2.68	3.06	8.19	0.17	0.00	4.60	4.22	5.22
10	31.50	1.12	761.	7.83	2.91	6.53	0.00	2.69	3.29	5.03	0.31	0.00	3.98	2.87	4.31
11	24.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	23.56	0.96	657.	7.99	2.84	6.20	0.00	2.81	2.23	4.50	0.13	0.00	3.97	1.94	3.68
1982	318.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 13 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	20.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	12.92	3.68	2342.	7.34	7.33	19.30	0.00	10.02	6.29	21.51	0.11	0.00	4.70	9.71	23.51
3	24.24	1.36	912.	7.76	3.69	8.02	0.00	4.28	2.62	6.86	0.10	0.00	3.15	4.95	5.75
4	25.64	1.11	738.	7.54	2.56	5.68	0.00	4.54	1.84	4.57	0.10	0.00	3.53	2.68	4.85
5	26.08	0.95	651.	7.74	4.77	9.31	0.42	2.37	0.86	6.06	0.10	0.00	3.65	1.94	3.80
6	26.47	0.99	705.	8.32	4.05	8.62	0.11	2.82	1.34	5.84	0.10	0.00	4.26	2.45	3.30
7	32.05	1.16	820.	8.11	3.81	8.67	0.00	3.75	1.73	6.31	0.10	0.00	4.67	2.95	4.20
8	29.51	1.43	1035.	8.11	5.14	11.90	0.00	4.09	1.92	8.91	0.10	0.04	4.99	4.90	5.09
9	32.66	1.15	836.	7.94	3.71	8.38	0.00	3.05	2.69	6.28	0.10	0.23	4.12	4.57	3.27
10	28.31	1.12	837.	7.50	3.05	7.16	0.00	3.47	2.93	5.46	0.10	0.09	4.70	4.53	2.68
11	22.16	1.03	720.	7.75	2.57	5.64	0.00	2.89	3.16	4.47	0.11	0.00	3.49	3.87	3.33
12	22.77	1.12	711.	7.83	2.67	5.79	0.00	2.73	3.25	4.96	0.10	0.00	2.47	3.54	5.03
1983	303.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WE03 ZARQUN PS YEAR : 1980 CODE : 11
MEASUREMENT POINT CODE: 11 / PUMP STATION / BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	9.210	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	-2.300	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		5.185	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		1.750	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1980 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	11.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	8.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	9.82	1.44	944.	7.64	4.17	9.64	0.00	4.11	2.28	7.45	0.39	0.00	4.63	2.05	7.54
4	13.51	1.28	855.	7.55	2.60	5.70	0.00	3.97	3.86	5.15	0.14	0.00	2.92	5.24	4.95
5	12.49	1.38	857.	7.14	2.83	6.56	0.00	4.08	3.63	5.56	0.18	0.00	3.87	1.90	7.61
6	16.94	1.24	727.	7.57	2.02	4.52	0.00	3.94	3.72	3.96	0.25	0.00	3.16	1.07	7.28
7	19.29	1.22	802.	7.46	4.15	9.32	0.00	2.83	2.26	6.61	0.24	0.00	4.75	0.92	6.28
8	19.42	1.26	826.	7.62	3.65	8.53	0.00	2.98	2.87	6.25	0.27	0.00	5.12	0.71	6.54
9	20.92	1.16	780.	7.35	2.35	5.66	0.00	3.55	3.50	4.41	0.18	0.00	5.04	1.37	5.22
10	16.49	1.16	782.	7.48	2.15	5.31	0.00	4.21	3.01	4.09	0.23	0.00	5.55	0.61	5.36
11	14.93	1.28	909.	7.67	3.19	7.63	0.00	4.14	2.94	6.00	0.23	0.00	4.95	3.70	4.63
12	8.50	1.39	948.	7.37	4.11	9.35	0.00	3.52	3.00	7.42	0.26	0.00	4.17	4.08	5.92
1980	172.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	8.12	2.02	1378.	7.67	6.59	16.18	0.00	3.87	3.74	12.85	0.26	0.00	6.07	4.84	9.81
2	8.03	2.20	1400.	7.23	5.20	12.84	0.00	5.69	4.32	11.64	0.31	0.00	4.93	4.09	12.89
3	16.17	0.97	601.	7.68	2.20	4.72	0.00	2.61	2.87	3.64	0.17	0.00	3.31	0.83	5.14
4	13.99	1.23	816.	7.89	3.82	8.51	0.00	2.95	2.68	6.41	0.18	0.00	4.15	2.47	5.59
5	16.31	0.92	628.	7.96	3.49	7.35	0.06	2.46	1.54	4.94	0.16	0.00	4.06	1.09	3.96
6	19.29	1.25	871.	7.43	4.83	10.67	0.00	2.47	2.47	7.58	0.21	0.00	4.57	3.33	4.83
7	23.31	1.30	829.	7.49	4.23	9.43	0.00	3.09	2.35	6.98	0.18	0.00	4.32	1.20	7.08
8	20.75	1.41	886.	7.57	4.55	10.28	0.00	3.10	2.58	7.66	0.23	0.00	4.54	0.86	8.18
9	19.49	1.25	811.	7.80	3.15	7.37	0.00	3.71	2.70	5.63	0.21	0.00	4.75	0.97	6.48
10	17.73	1.19	783.	8.17	3.59	7.93	0.00	2.89	2.75	6.03	0.12	0.00	3.95	2.37	5.46
11	16.01	1.08	713.	7.82	3.26	6.95	0.00	3.12	2.15	5.30	0.10	0.00	3.44	2.46	4.82
12	12.38	1.16	720.	7.93	2.61	5.77	0.00	3.31	3.16	4.69	0.10	0.00	3.47	1.52	6.19
1981	191.59	1.27	827.	7.66	3.86	8.66	0.00	3.13	2.64	6.55	0.18	0.00	4.23	1.92	6.34

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	11.40	1.87	1111.	8.20	3.90	9.46	0.00	4.68	4.70	8.45	0.10	0.00	4.50	1.14	12.19
2	8.74	1.41	874.	8.23	3.14	7.42	0.00	4.27	3.17	6.06	0.11	0.00	4.44	0.98	8.13
3	13.23	2.68	1694.	7.48	13.32	26.45	0.00	2.81	2.27	21.22	0.09	0.00	3.30	7.94	15.14
4	16.17	1.26	851.	7.48	3.51	8.00	0.00	3.31	3.04	6.25	0.14	0.00	4.21	3.10	5.42
5	19.07	0.84	568.	7.29	2.34	4.97	0.00	2.81	1.85	3.57	0.10	0.00	3.61	1.24	3.49
6	18.54	1.25	879.	7.63	4.09	9.25	0.00	3.76	2.00	6.95	0.15	0.00	4.42	3.77	4.61
7	21.25	1.06	725.	7.70	3.37	7.46	0.00	3.41	1.70	5.38	0.13	0.00	4.26	2.00	4.28
8	21.66	1.28	873.	7.46	3.33	7.77	0.00	4.36	2.40	6.12	0.11	0.00	4.50	2.92	5.56
9	19.24	1.12	762.	7.39	3.26	7.39	0.00	3.07	2.54	5.46	0.21	0.00	4.46	2.08	4.64
10	16.48	1.03	673.	7.67	2.62	5.75	0.00	2.84	2.61	4.33	0.36	0.00	3.74	1.54	4.75
11	16.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	13.26	0.98	609.	7.76	2.21	4.73	0.00	3.18	2.27	3.65	0.27	0.00	3.28	0.78	5.22
1982	195.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 13 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	11.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	6.20	2.41	1525.	7.86	6.60	15.16	0.00	5.88	3.71	14.45	0.12	0.00	3.59	6.32	14.18
3	10.31	1.41	907.	7.82	3.93	8.62	0.00	3.42	3.26	7.19	0.11	0.00	3.39	3.61	7.04
4	15.88	1.78	1145.	8.21	5.54	12.20	0.00	3.67	3.51	10.49	0.16	0.00	3.47	4.89	9.45
5	17.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	19.13	1.12	775.	8.04	4.93	10.35	0.06	2.35	1.75	7.05	0.14	0.00	4.16	2.78	4.30
7	23.48	0.95	653.	8.05	3.90	7.78	0.00	2.54	1.34	5.43	0.17	0.00	3.33	2.60	3.56
8	21.42	1.38	956.	7.95	6.88	14.31	0.39	2.67	1.28	9.67	0.32	0.06	4.28	3.71	5.96
9	21.00	1.08	728.	8.23	3.58	7.74	0.00	2.77	2.35	5.72	0.10	0.50	3.34	2.95	4.18
10	18.66	1.07	697.	8.25	3.00	6.66	0.00	3.14	2.38	4.98	0.10	0.59	3.42	1.92	4.75
11	16.31	1.27	845.	8.47	3.91	7.83	0.00	2.66	3.29	6.74	0.29	0.22	2.26	5.53	4.94
12	13.54	1.78	1158.	8.30	5.03	10.73	0.00	3.42	4.50	10.00	0.26	0.09	2.68	6.73	8.64
1983	194.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WE04 EDKO IRRIGATION PS YEAR : 1980 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	6.380	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	0.000	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		6.380	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		2.400	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1980 ARE BASED ON 22 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	8.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	8.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	19.64	1.36	818.	7.48	3.01	6.58	0.00	3.73	3.33	5.66	0.26	0.00	3.12	1.81	8.05
4	32.87	1.18	758.	7.55	2.97	6.33	0.00	3.06	3.19	5.25	0.19	0.00	3.01	3.21	5.42
5	33.42	1.00	659.	7.15	1.79	4.17	0.00	3.26	3.27	3.24	0.14	0.00	4.27	1.11	4.53
6	32.36	1.21	774.	7.60	3.40	7.72	0.00	2.81	2.93	5.75	0.25	0.00	4.44	0.99	6.26
7	49.15	1.38	930.	7.57	4.21	9.98	0.00	3.39	2.81	7.41	0.18	0.00	5.43	1.80	6.59
8	50.19	1.39	915.	7.33	3.92	9.27	0.00	3.36	3.17	7.09	0.17	0.00	5.04	1.71	7.07
9	44.58	1.36	913.	7.30	3.43	8.26	0.00	3.24	3.81	6.44	0.20	0.00	5.17	2.32	6.19
10	47.50	1.16	785.	7.43	2.07	5.16	0.00	3.37	4.05	3.99	0.25	0.00	5.72	0.63	5.29
11	41.73	1.51	1088.	7.68	4.32	10.17	0.00	4.23	3.01	8.21	0.55	0.00	4.66	5.86	5.40
12	32.84	1.40	960.	7.43	4.23	9.70	0.00	3.65	2.87	7.64	0.16	0.00	4.36	4.13	5.81
1980	401.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	21.91	1.61	1145.	7.46	5.02	12.68	0.31	3.15	3.86	9.40	0.25	0.00	7.32	2.62	6.69
2	5.24	3.80	2463.	7.42	6.59	18.44	0.00	7.59	11.17	20.18	0.51	0.00	7.38	8.34	23.73
3	18.12	1.17	744.	7.61	3.77	7.77	0.00	2.93	2.19	6.03	0.22	0.00	3.09	2.42	5.86
4	23.89	1.11	756.	7.40	3.54	7.79	0.00	2.77	2.44	5.71	0.21	0.00	4.12	2.53	4.48
5	24.21	0.94	666.	7.50	3.69	8.01	0.67	2.60	1.45	5.25	0.15	0.00	4.72	1.20	3.52
6	25.98	1.21	838.	7.48	4.01	9.15	0.00	2.27	3.19	6.63	0.20	0.00	4.81	2.79	4.69
7	31.51	1.27	845.	7.54	3.44	7.94	0.00	3.90	2.45	6.13	0.17	0.00	4.49	2.09	6.07
8	32.27	1.36	898.	7.56	4.22	9.72	0.00	3.98	1.94	7.27	0.21	0.00	4.78	1.79	6.83
9	32.91	1.28	862.	7.85	3.18	7.60	0.00	3.78	3.03	5.86	0.18	0.00	5.05	1.95	5.80
10	33.58	1.25	862.	7.84	4.03	9.12	0.00	2.60	3.18	6.86	0.12	0.00	4.43	3.30	5.10
11	32.87	1.16	809.	7.55	3.29	7.39	0.00	3.12	2.95	5.73	0.10	0.00	3.99	3.82	4.17
12	28.02	1.14	745.	7.46	2.87	6.24	0.00	3.61	2.54	5.04	0.10	0.00	3.32	2.93	5.04
1981	310.50	1.27	862.	7.56	3.76	8.65	0.00	3.28	2.81	6.56	0.17	0.00	4.60	2.62	5.61

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 17 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	23.68	1.98	1273.	8.05	3.10	7.86	0.00	4.71	7.73	7.73	0.10	0.00	4.68	5.18	10.41
2	4.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	17.13	1.75	1161.	8.00	4.42	10.61	0.00	4.65	3.88	9.12	0.11	0.00	4.60	4.58	8.66
4	24.37	1.16	780.	7.43	3.55	7.88	0.00	3.64	1.91	5.91	0.09	0.00	4.09	2.44	5.00
5	30.82	0.86	593.	7.53	2.75	5.84	0.00	3.28	1.11	4.07	0.10	0.00	3.82	1.42	3.25
6	30.32	1.03	720.	7.79	3.07	6.85	0.00	3.38	1.90	4.99	0.19	0.00	4.25	2.27	3.90
7	40.17	1.16	806.	7.48	3.70	8.13	0.00	3.93	1.50	6.10	0.21	0.00	3.94	3.25	4.62
8	49.36	1.27	864.	7.71	3.76	8.63	0.00	3.07	3.11	6.60	0.12	0.00	4.51	2.97	5.37
9	33.21	1.35	918.	7.54	3.79	8.81	0.00	3.34	3.27	6.90	0.22	0.00	4.54	3.31	5.86
10	33.01	1.14	758.	7.49	2.69	6.15	0.00	3.29	3.15	4.82	0.17	0.00	4.14	2.16	5.10
11	31.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	30.55	0.88	577.	7.49	2.79	5.75	0.00	2.44	1.94	4.13	0.10	0.00	3.37	1.45	3.69
1982	348.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	21.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	4.04	2.97	2073.	7.47	6.14	16.72	0.00	8.16	6.79	16.79	0.15	0.00	7.04	9.93	14.94
3	14.93	1.13	797.	7.85	3.59	7.76	0.00	3.10	2.55	6.04	0.01	0.00	3.54	4.42	3.85
4	18.44	1.08	722.	7.94	2.86	6.31	0.00	3.55	2.25	4.88	0.06	0.00	3.69	2.39	4.78
5	28.85	0.77	526.	8.23	4.60	8.07	0.65	1.57	0.84	5.05	0.09	0.00	3.07	1.64	2.79
6	30.23	0.86	609.	8.31	3.87	7.87	0.49	1.97	1.51	5.10	0.10	0.00	3.97	1.71	2.96
7	32.80	1.18	842.	7.98	3.88	8.91	0.00	3.14	2.38	6.45	0.18	0.00	4.94	3.09	4.10
8	30.82	1.36	994.	7.95	5.53	12.79	0.70	3.25	1.83	8.81	0.32	0.06	5.72	3.61	4.74
9	32.18	1.05	710.	8.39	3.05	6.76	0.00	3.03	2.46	5.05	0.10	0.33	3.68	2.48	4.11
10	31.10	1.01	680.	8.26	3.04	6.67	0.00	2.99	2.12	4.86	0.10	0.03	3.98	1.84	4.14
11	26.16	0.99	640.	8.41	2.16	4.63	0.00	2.91	3.07	3.73	0.10	0.00	3.10	2.34	4.34
12	29.93	0.85	533.	8.06	1.88	3.62	0.00	3.56	1.53	3.00	0.10	0.00	2.19	2.04	3.92
1983	301.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WE05 DILINGAT PS YEAR : 1980 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	8.170	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	-1.050	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		5.020	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		3.000	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1980 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	13.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	11.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	13.87	0.97	707.	7.48	1.96	4.63	0.00	3.81	2.60	3.52	0.20	0.00	4.69	2.79	2.56
4	14.35	1.00	713.	7.59	1.95	4.39	0.00	3.99	2.75	3.58	0.15	0.00	3.56	4.07	2.77
5	15.09	0.95	670.	7.36	1.61	3.80	0.00	4.10	2.47	2.91	0.18	0.00	4.60	1.84	3.26
6	17.13	0.88	616.	7.58	1.17	2.78	0.00	3.66	3.00	2.13	0.14	0.00	4.66	1.29	2.98
7	17.06	1.09	813.	7.48	2.62	6.40	0.00	3.47	3.06	4.74	0.23	0.00	5.75	2.73	3.01
8	21.75	0.97	703.	7.60	1.95	4.69	0.00	3.56	2.77	3.47	0.20	0.00	5.29	1.59	3.13
9	22.29	0.96	718.	7.46	1.84	4.47	0.00	4.24	2.32	3.34	0.16	0.00	5.39	2.05	2.66
10	21.06	0.96	706.	7.57	1.04	2.68	0.00	4.53	3.21	2.05	0.20	0.00	6.36	0.68	2.84
11	18.66	1.30	898.	7.76	2.35	5.86	0.00	3.79	4.57	4.80	0.22	0.00	5.40	2.79	5.19
12	18.61	1.18	911.	7.75	3.18	7.57	0.00	3.54	3.22	5.85	0.30	0.00	4.95	5.59	2.37
1980	204.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 17 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	17.50	1.66	1240.	7.30	5.58	13.52	0.00	3.01	3.99	10.45	0.51	0.00	5.78	7.02	5.11
2	11.33	3.58	2432.	7.58	13.70	33.20	0.00	4.34	3.80	27.64	1.18	0.00	6.17	12.00	18.78
3	15.23	0.84	597.	7.34	1.79	4.04	0.00	3.50	1.88	2.93	0.19	0.00	4.21	1.56	2.73
4	14.63	1.04	773.	7.92	2.35	5.59	0.00	4.28	2.27	4.25	0.20	0.00	4.98	3.16	2.78
5	17.25	0.93	680.	8.19	2.62	5.95	0.00	2.90	2.36	4.25	0.19	0.00	4.56	2.50	2.54
6	16.17	1.22	920.	7.64	4.11	9.34	0.00	3.02	2.84	7.04	0.27	0.00	4.46	5.78	2.91
7	20.17	1.07	697.	7.91	2.70	6.04	0.00	4.23	1.43	4.54	0.21	0.00	4.02	0.95	5.42
8	20.70	1.18	784.	7.80	2.83	6.60	0.00	4.66	1.76	5.06	0.20	0.00	4.58	1.34	5.69
9	20.47	1.03	726.	7.77	2.10	5.04	0.00	3.57	2.99	3.79	0.19	0.00	5.13	1.68	3.68
10	19.04	1.08	794.	7.73	3.17	7.33	0.00	3.40	2.41	5.40	0.12	0.00	4.79	3.55	2.98
11	18.72	0.98	740.	7.30	3.18	7.22	0.00	3.21	1.95	5.11	0.10	0.00	4.73	3.29	2.36
12	17.42	0.94	691.	7.68	2.02	4.75	0.00	3.91	2.25	3.55	0.10	0.00	4.69	2.50	2.65
1981	208.63	1.23	874.	7.61	3.63	8.44	0.00	3.66	2.44	6.35	0.26	0.00	4.80	3.45	4.43

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	17.63	1.02	754.	7.86	4.45	9.77	0.92	2.30	1.83	6.39	0.10	0.00	5.06	2.53	2.97
2	12.38	0.97	694.	8.06	3.15	7.12	0.00	2.72	2.15	4.93	0.11	0.00	4.83	1.78	3.25
3	15.83	0.85	596.	7.79	1.51	3.43	0.00	3.52	2.43	2.61	0.10	0.00	3.99	2.01	2.61
4	16.04	1.02	759.	7.44	2.36	5.73	0.00	3.93	2.46	4.22	0.10	0.00	5.58	2.33	2.77
5	15.07	0.97	716.	7.52	2.39	5.57	0.00	4.06	1.84	4.11	0.10	0.00	4.75	2.61	2.78
6	17.41	0.96	713.	8.14	2.42	5.55	0.00	4.19	1.66	4.15	0.10	0.00	4.38	3.17	2.55
7	17.88	1.07	779.	7.69	2.24	5.31	0.00	4.37	2.53	4.17	0.16	0.00	4.57	3.54	3.11
8	20.14	1.12	831.	7.27	2.21	5.33	0.00	4.19	3.38	4.31	0.11	0.00	4.71	4.40	2.92
9	21.16	1.08	795.	7.39	2.87	6.64	0.00	3.41	2.85	5.07	0.11	0.00	4.49	4.06	2.90
10	21.09	0.96	704.	7.83	2.20	5.10	0.00	3.24	2.85	3.84	0.16	0.00	4.47	3.05	2.57
11	19.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	17.54	0.87	646.	7.86	2.53	5.62	0.00	3.29	1.65	3.98	0.10	0.00	4.23	2.69	2.19
1982	211.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	15.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	8.86	1.10	823.	7.60	3.00	7.07	0.00	4.02	2.25	5.31	0.11	0.00	4.97	3.67	3.09
3	16.46	0.89	658.	7.90	1.72	3.86	0.00	3.75	2.51	3.05	0.10	0.00	3.62	3.97	1.88
4	16.49	1.07	706.	8.38	1.93	3.97	0.00	4.75	2.28	3.63	0.10	0.00	2.30	4.38	4.08
5	17.65	1.04	723.	8.51	3.79	7.72	0.00	3.20	1.46	5.79	0.11	0.00	3.14	3.99	3.41
6	15.33	1.13	806.	8.52	5.25	11.04	0.30	2.49	1.52	7.43	0.14	0.00	4.31	3.45	3.76
7	18.41	1.14	753.	7.87	3.38	7.57	0.00	3.15	2.35	5.60	0.10	0.00	4.28	1.51	5.50
8	20.17	1.04	748.	7.70	3.74	8.34	0.00	2.26	2.56	5.81	0.10	0.04	4.64	2.77	3.30
9	23.49	0.99	737.	8.35	1.94	4.58	0.00	4.07	2.75	3.59	0.16	0.29	4.14	4.09	2.12
10	22.28	1.05	787.	8.24	2.22	5.27	0.00	4.42	2.39	4.10	0.33	0.31	4.37	4.22	2.37
11	17.74	1.05	754.	8.39	2.03	4.63	0.00	4.01	3.07	3.81	0.23	0.24	3.48	4.50	2.95
12	18.67	0.95	639.	7.85	1.57	3.39	0.00	4.11	2.54	2.85	0.09	0.03	2.91	3.34	3.32
1983	210.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WE06 KHANDAK EL GHARBI PS YEAR : 1980 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q		- DISCHARGE IN M**3 PER SECOND
QO =	2.350	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B =	0.000	- SLOPE OF CAPACITY CURVE
H		- SUCTION HEAD IN M
QCAP=	2.350	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =	3.400	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1980 ARE BASED ON 22 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	6.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	5.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	7.66	1.29	820.	7.47	3.63	7.76	0.00	3.55	2.42	6.27	0.32	0.00	3.25	2.64	6.70
4	7.60	1.70	1123.	7.68	4.65	10.48	0.00	3.76	4.12	9.23	0.24	0.00	3.54	5.64	8.17
5	7.36	1.18	795.	7.21	2.40	5.73	0.00	3.93	3.25	4.55	0.15	0.00	4.67	2.04	5.19
6	8.14	1.14	771.	7.90	1.78	4.23	0.00	3.99	3.86	3.53	0.22	0.00	4.15	2.93	4.54
7	9.50	1.36	933.	7.87	3.46	8.47	0.00	3.95	3.11	6.50	0.20	0.00	5.71	1.98	6.09
8	10.21	1.52	1053.	7.63	3.62	9.15	0.00	3.83	4.29	7.29	0.21	0.00	6.27	2.81	6.52
9	10.20	1.46	1048.	7.37	3.43	8.74	0.00	4.63	3.49	6.91	0.23	0.00	6.50	3.16	5.58
10	10.55	1.27	872.	7.75	2.17	5.57	0.00	4.12	4.14	4.41	0.20	0.00	6.40	0.82	5.64
11	6.73	1.78	1145.	7.81	3.55	9.07	0.00	4.86	4.68	7.76	0.35	0.00	5.90	1.86	9.87
12	7.12	1.25	898.	7.69	3.72	8.60	0.00	2.91	3.26	6.53	0.35	0.00	4.67	4.33	4.05
1980	96.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	5.52	1.92	1410.	7.55	5.57	14.82	0.56	4.00	4.43	11.44	0.44	0.00	8.99	3.64	7.69
2	3.62	1.58	1052.	7.48	2.57	6.59	0.00	4.75	5.03	5.68	0.57	0.00	5.74	2.40	7.84
3	7.02	1.24	828.	7.67	2.92	6.76	0.00	3.11	3.72	5.39	0.27	0.00	4.23	2.84	5.41
4	7.06	1.14	810.	7.93	3.22	7.47	0.00	2.68	3.33	5.58	0.21	0.00	4.76	3.09	4.03
5	6.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	7.11	2.09	1415.	7.44	5.58	13.55	0.00	3.34	6.10	12.12	0.28	0.00	4.73	7.22	9.88
7	9.17	1.22	793.	7.57	3.02	7.01	0.00	2.26	4.19	5.43	0.20	0.00	4.45	1.80	5.83
8	9.13	1.32	891.	7.51	3.41	8.13	0.00	2.92	3.91	6.29	0.22	0.00	5.05	2.49	5.76
9	9.44	1.25	884.	7.82	3.26	7.89	0.00	3.31	3.48	6.00	0.16	0.00	5.46	2.75	4.68
10	9.48	1.21	874.	7.86	4.07	9.22	0.00	2.44	3.32	6.90	0.12	0.00	4.49	4.58	3.61
11	7.50	1.01	715.	7.62	2.49	5.57	0.00	3.14	2.93	4.33	0.10	0.00	3.83	3.74	2.83
12	7.48	1.20	835.	7.51	2.92	6.80	0.00	3.96	2.93	5.42	0.10	0.00	4.34	3.56	4.42
1981	88.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	6.08	2.00	1363.	8.02	5.01	12.85	0.00	5.57	3.98	10.94	0.11	0.00	6.36	4.41	9.81
2	3.03	2.05	1392.	8.08	5.00	13.09	0.00	5.76	3.99	11.04	0.19	0.00	7.11	3.31	10.55
3	6.18	1.07	726.	7.39	3.46	7.45	0.00	2.94	2.15	5.52	0.12	0.00	3.73	2.70	4.29
4	7.04	1.20	863.	7.36	3.64	8.44	0.00	3.67	2.38	6.32	0.16	0.00	4.80	3.62	4.01
5	7.05	0.96	667.	7.45	2.46	5.53	0.00	2.96	2.61	4.11	0.13	0.00	4.14	2.11	3.47
6	7.68	0.96	691.	7.61	2.61	5.81	0.00	3.26	2.27	4.34	0.11	0.00	3.99	3.07	2.91
7	8.40	1.31	915.	7.29	3.94	9.05	0.00	3.30	3.10	7.04	0.10	0.00	4.43	4.18	4.92
8	8.98	1.21	880.	7.41	3.01	7.19	0.00	3.10	3.83	5.61	0.28	0.00	4.94	4.06	3.81
9	9.78	1.37	995.	7.44	3.95	9.43	0.00	2.94	4.12	7.41	0.12	0.00	5.07	5.11	4.40
10	9.78	1.03	729.	7.43	2.81	6.39	0.00	2.60	3.11	4.74	0.16	0.00	4.40	2.79	3.41
11	6.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	6.93	0.86	616.	7.50	2.51	5.40	0.00	2.72	2.09	3.89	0.11	0.00	3.76	2.68	2.37
1982	87.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	6.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	1.68	2.24	1545.	7.91	3.91	10.42	0.00	8.19	5.21	10.11	0.11	0.00	6.20	6.75	10.67
3	5.75	0.93	650.	8.10	2.98	5.42	0.00	2.80	2.46	4.18	0.10	0.00	3.16	3.64	2.74
4	7.42	0.98	676.	7.84	3.13	6.52	0.00	3.21	1.68	4.90	0.11	0.00	3.28	3.14	3.48
5	8.32	0.89	630.	7.97	4.14	7.99	0.34	2.25	0.90	5.19	0.57	0.00	3.48	2.22	3.21
6	8.32	0.85	623.	8.42	4.00	8.28	1.07	1.92	1.46	5.20	0.11	0.00	4.44	1.85	2.37
7	8.53	1.31	933.	8.31	4.35	10.00	0.00	2.60	3.41	7.54	0.10	0.00	4.72	4.30	4.74
8	8.57	1.28	879.	8.60	3.55	8.42	0.00	2.81	3.70	6.41	0.11	0.06	5.03	2.68	5.33
9	8.92	1.52	1124.	8.34	4.53	11.04	0.00	3.96	3.59	8.81	0.18	0.51	4.96	6.77	4.21
10	8.60	1.29	924.	8.43	3.51	8.33	0.00	3.95	3.07	6.58	0.13	0.98	4.22	5.06	3.76
11	6.24	1.32	922.	8.57	3.36	7.99	0.00	3.29	3.99	6.42	0.17	0.45	4.24	4.58	4.56
12	7.24	0.83	550.	7.85	1.61	3.36	0.00	2.83	2.68	2.68	0.10	0.04	2.77	2.49	2.97
1983	85.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WE07 KHAIRY PS YEAR : 1980 CODE : 11
MEASUREMENT POINT CODE: 11 , PUMP STATION , BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	7.140	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	-1.390	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		4.638	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		1.800	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1980 ARE BASED ON 23 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	12.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	12.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	16.91	1.34	977.	7.49	3.96	9.79	0.00	3.54	3.06	7.19	0.24	0.00	6.48	2.61	4.89
4	16.26	1.29	872.	7.56	2.89	6.65	0.00	3.52	3.94	5.57	0.20	0.00	3.88	4.03	5.29
5	15.52	1.12	741.	6.84	1.80	4.29	0.00	3.74	3.73	3.48	0.22	0.00	4.44	1.73	5.03
6	15.44	1.15	767.	7.53	2.40	5.65	0.00	3.92	2.90	4.44	0.24	0.00	4.48	1.76	5.19
7	20.20	1.32	931.	7.62	3.96	9.54	0.00	3.94	2.32	7.02	0.20	0.00	5.79	2.31	5.38
8	21.57	1.32	920.	7.37	3.74	8.94	0.00	3.63	2.90	6.75	0.20	0.00	5.38	2.73	5.37
9	20.68	1.37	966.	7.47	3.98	9.65	0.00	3.64	3.03	7.27	0.20	0.00	5.74	2.81	5.55
10	18.04	1.25	913.	7.59	2.95	7.54	0.05	4.10	3.07	5.58	0.19	0.00	7.23	1.05	4.69
11	13.93	1.65	1246.	7.51	5.21	12.79	0.00	4.14	3.40	10.11	0.33	0.00	5.86	7.05	5.09
12	12.71	1.64	1153.	7.27	5.55	12.85	0.00	3.92	2.65	10.05	0.40	0.00	4.76	5.63	6.64
1980	196.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	11.98	3.07	2086.	7.39	8.56	23.30	0.00	6.82	4.32	20.19	0.34	0.00	9.20	5.06	17.39
2	8.94	2.99	1874.	7.31	7.14	18.31	0.00	7.64	4.33	17.47	0.32	0.00	5.71	4.49	19.51
3	14.70	1.10	728.	7.49	2.75	6.22	0.00	3.21	2.75	4.75	0.20	0.00	4.11	1.77	5.01
4	13.47	1.32	938.	7.26	4.42	10.20	0.00	3.04	2.84	7.39	0.20	0.00	4.88	3.94	4.89
5	12.78	1.28	943.	7.48	4.59	10.68	0.00	3.12	2.48	7.68	0.21	0.00	5.37	4.11	3.99
6	13.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	17.26	1.37	899.	7.48	3.88	9.06	0.00	3.06	2.95	6.73	0.70	0.00	5.03	1.20	7.21
8	17.37	1.42	953.	7.69	4.30	10.16	0.00	3.15	3.13	7.62	0.29	0.00	5.23	2.26	6.71
9	19.52	1.28	893.	7.50	3.75	8.83	0.00	3.48	2.77	6.63	0.20	0.00	5.07	2.79	5.23
10	19.29	1.26	884.	7.49	3.90	9.02	0.00	3.09	2.98	6.79	0.13	0.00	4.77	3.40	4.81
11	15.73	1.50	1070.	7.39	4.17	9.94	0.00	3.72	3.85	8.10	0.17	0.00	4.81	5.74	5.28
12	14.72	1.37	960.	7.42	3.90	9.19	0.00	3.63	3.28	7.25	0.10	0.00	4.78	4.22	5.17
1981	179.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	13.94	1.69	1149.	7.74	3.73	9.41	0.00	5.66	3.59	8.02	0.10	0.00	5.65	3.77	7.85
2	6.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	11.12	1.88	1288.	7.37	5.77	13.88	0.00	4.38	3.52	11.46	0.10	0.00	5.12	5.59	8.72
4	13.56	2.35	1602.	7.21	10.40	23.58	0.00	3.50	2.47	17.96	0.14	0.00	5.15	8.18	10.64
5	14.25	0.97	682.	7.31	2.84	6.46	0.00	2.42	2.76	4.58	0.10	0.00	4.69	1.74	3.41
6	15.91	1.12	801.	7.62	3.57	8.07	0.00	3.72	1.76	5.91	0.15	0.00	4.51	3.14	3.88
7	21.54	1.26	909.	7.18	4.40	9.92	0.00	3.99	1.63	7.38	0.12	0.00	4.49	4.39	4.28
8	20.18	1.43	1026.	7.62	4.09	9.89	0.00	3.34	3.82	7.74	0.14	0.00	5.37	4.49	5.23
9	20.55	1.45	1016.	7.63	3.93	9.52	0.00	3.10	4.29	7.55	0.14	0.00	5.31	4.10	5.71
10	17.81	1.18	829.	7.53	2.44	5.83	0.00	2.59	4.84	4.70	0.16	0.00	4.61	3.77	3.99
11	16.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	13.99	1.04	738.	7.53	2.54	5.90	0.00	3.31	2.85	4.45	0.10	0.00	4.61	2.67	3.43
1982	186.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 13 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	14.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	9.72	1.71	1233.	7.61	4.60	11.16	0.00	5.36	3.28	9.56	0.10	0.00	4.86	7.12	6.33
3	11.35	1.44	1042.	7.47	5.08	11.39	0.00	3.74	2.47	8.94	0.11	0.00	4.15	6.34	4.80
4	13.95	1.25	877.	7.84	4.83	10.44	0.00	3.42	1.57	7.64	0.15	0.00	4.05	4.12	4.60
5	13.89	1.14	782.	8.11	5.66	11.60	0.62	2.72	0.88	7.61	0.14	0.00	4.23	2.17	4.93
6	13.28	1.34	935.	7.95	4.23	9.98	0.00	3.54	2.59	7.40	0.17	0.00	5.33	2.92	5.40
7	17.25	1.38	1023.	7.87	5.25	12.16	0.00	3.33	2.38	8.88	0.10	0.00	5.25	5.34	4.03
8	17.15	1.46	1088.	7.78	6.20	14.17	0.07	3.58	1.72	10.09	0.13	0.00	5.37	5.84	4.27
9	17.44	1.28	944.	7.56	4.33	10.04	0.00	2.98	2.92	7.43	0.25	0.00	5.02	4.86	3.63
10	16.45	1.21	884.	7.44	3.41	8.15	0.00	2.95	3.54	6.15	0.16	0.00	5.29	3.68	3.79
11	13.19	1.28	861.	7.69	2.90	6.70	0.00	3.10	4.28	5.97	0.17	0.12	3.84	4.10	4.99
12	14.22	1.13	751.	7.69	3.13	6.63	0.00	3.22	2.61	5.35	0.17	0.03	3.08	3.55	4.69
1983	171.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WEOB HALG EL GAMAL PS YEAR : 1980 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	4.830	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	-0.700	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		3.080	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		2.500	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1980 ARE BASED ON 21 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	14.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	10.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	19.39	2.40	1546.	7.48	8.29	19.85	0.00	3.92	3.58	16.05	0.36	0.00	5.53	4.19	14.20
4	22.15	2.49	1513.	7.64	7.61	17.05	0.00	3.29	5.13	15.62	0.32	0.00	3.53	4.82	16.00
5	21.78	1.99	1272.	6.10	5.77	13.56	0.00	4.66	3.27	11.49	0.29	0.00	4.49	3.91	11.34
6	29.33	2.08	1311.	7.27	5.60	13.21	0.00	4.86	3.69	11.59	0.39	0.00	4.31	3.92	12.30
7	33.68	2.19	1449.	7.51	6.91	16.72	0.00	3.84	4.18	13.85	0.37	0.00	5.36	5.07	11.81
8	32.54	2.13	1415.	7.61	6.99	16.80	0.00	4.36	3.19	13.59	0.40	0.00	5.43	4.71	11.40
9	33.27	2.08	1385.	7.26	5.22	13.06	0.00	4.17	5.40	11.42	0.34	0.00	5.48	5.17	10.67
10	25.62	1.78	1160.	7.60	3.32	8.03	0.00	3.91	6.52	7.59	0.23	0.00	4.03	5.48	8.75
11	21.88	2.18	1470.	7.94	5.01	12.73	0.00	4.29	6.44	11.61	0.36	0.00	5.51	6.37	10.80
12	14.84	3.22	2057.	7.31	8.89	21.31	0.00	4.80	6.40	21.04	0.59	0.00	4.23	8.55	20.00
1980	279.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	14.39	2.61	1734.	7.35	8.48	21.12	0.00	3.64	5.07	17.68	0.33	0.00	6.24	5.98	14.48
2	9.73	2.46	1499.	7.21	6.09	14.61	0.00	5.80	4.27	13.66	0.28	0.00	4.29	3.65	16.07
3	20.71	1.79	1066.	7.20	5.60	12.20	0.00	3.04	3.55	10.16	0.27	0.00	3.51	1.98	11.53
4	23.16	1.95	1235.	7.22	5.90	13.76	0.00	2.84	4.73	11.48	0.29	0.00	4.47	3.88	10.96
5	22.44	1.81	1217.	7.86	7.21	16.02	0.00	3.08	2.75	12.30	0.24	0.00	4.41	5.26	8.69
6	26.84	2.19	1472.	7.52	9.11	20.73	0.00	2.73	3.38	15.93	0.29	0.00	4.99	6.32	11.02
7	29.57	2.33	1435.	7.38	8.33	19.13	0.00	3.43	3.51	15.51	0.17	0.00	4.69	3.16	14.75
8	29.04	2.83	1720.	7.30	10.93	24.80	0.00	3.38	3.48	20.25	0.28	0.00	4.68	3.52	19.17
9	30.14	1.96	1239.	7.74	5.24	12.77	0.00	3.80	4.68	10.78	0.25	0.00	5.17	3.45	10.93
10	26.48	1.90	1216.	7.76	5.91	13.46	0.00	3.01	4.34	11.33	0.28	0.00	4.06	4.56	10.31
11	20.86	2.05	1276.	7.53	6.29	14.22	0.00	3.43	4.15	12.25	0.27	0.00	3.86	4.08	12.22
12	17.63	1.90	1168.	7.55	5.40	12.50	0.00	3.66	4.09	10.64	0.11	0.00	4.17	2.71	11.62
1981	270.99	2.14	1353.	7.44	7.11	16.45	0.00	3.36	3.95	13.59	0.25	0.00	4.55	4.03	12.56

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	17.12	3.62	2128.	7.91	7.47	18.36	0.00	6.32	8.64	20.44	0.10	0.00	3.91	5.38	26.14
2	9.70	3.67	2167.	7.97	7.08	18.09	0.00	7.33	8.55	19.96	0.19	0.00	4.65	4.72	26.53
3	15.98	1.69	1008	7.57	4.55	10.15	0.00	3.11	4.26	8.73	0.18	0.00	3.51	2.19	10.36
4	23.35	1.89	1245.	7.46	6.15	14.17	0.00	3.24	3.99	11.69	0.28	0.00	4.39	5.19	9.45
5	26.61	1.69	1095.	7.48	5.43	12.30	0.00	3.34	3.32	9.91	0.25	0.00	4.18	3.81	8.83
6	31.79	2.00	1371.	7.85	7.38	17.13	0.00	3.86	2.91	13.59	0.26	0.00	4.92	6.21	9.53
7	34.04	1.92	1292.	7.53	6.85	15.60	0.00	3.67	3.10	12.60	0.23	0.00	4.41	5.94	9.25
8	35.39	1.95	1276.	7.56	5.67	13.50	0.00	2.82	5.34	11.45	0.21	0.00	4.71	5.00	10.04
9	32.74	2.05	1347.	7.57	7.18	16.60	0.00	2.84	4.17	13.44	0.29	0.00	4.49	5.24	10.77
10	30.47	2.25	1467.	7.36	7.26	16.68	0.00	2.71	5.35	14.58	0.30	0.00	4.10	6.70	12.10
11	21.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	17.07	2.21	1380.	7.59	6.46	15.01	0.00	3.44	4.88	13.18	0.34	0.00	4.16	4.91	13.14
1982	296.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 13 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	14.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	7.94	6.05	3537.	7.68	15.01	37.45	0.00	6.90	9.16	42.52	0.60	0.00	4.63	5.89	48.59
3	18.22	2.41	1550.	8.03	8.55	19.20	0.00	3.52	3.93	16.50	0.30	0.00	3.99	6.39	13.86
4	27.56	1.17	735.	7.98	3.78	7.91	0.00	3.46	1.59	6.01	0.20	0.00	3.34	1.53	6.31
5	25.43	1.77	1157.	8.23	7.25	15.83	0.00	3.12	2.27	11.91	0.31	0.00	4.29	4.06	9.15
6	31.42	2.09	1427.	8.40	8.72	19.69	0.00	2.48	3.56	15.14	0.28	0.00	4.82	7.39	9.21
7	34.06	2.02	1357.	7.99	6.52	15.33	0.00	3.33	4.45	12.87	0.13	0.00	4.65	6.32	9.83
8	33.82	1.93	1248.	7.95	5.12	12.32	0.00	3.64	4.96	10.61	0.20	0.00	4.75	4.17	10.54
9	32.44	1.83	1247.	7.94	5.82	13.51	0.00	3.87	3.55	11.21	0.30	0.05	4.37	6.11	8.33
10	26.04	2.72	1876.	7.94	7.90	19.53	0.00	5.20	5.26	18.06	0.40	0.22	4.93	10.32	13.40
11	23.73	2.21	1422.	8.30	6.43	14.34	0.00	3.78	5.05	13.51	0.21	0.23	3.04	7.29	11.99
12	22.52	1.72	1023.	8.36	4.69	9.62	0.00	2.54	4.94	9.06	0.10	0.05	2.37	3.78	10.91
1983	297.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WE09 HALG EL GAMAL BRIDGE YEAR : 1980 CODE : 23
MEASUREMENT POINT CODE: 23 ; OPEN DRAIN ; BASIC DATA: WATERLEVEL AND FLOAT MEASUREMENTS

DISCHARGE RELATION: Q=0.85*AS*VF
Q - DISCHARGE IN M**3 PER SECOND
0.85 - FACTOR
AS - WETTED CROSS SECTION IN M**2
VF - FLOAT VELOCITY IN M PER SECOND

THE WATER QUALITY DATA DURING 1980 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	44.70	1.87	1224.	7.44	4.83	11.99	0.00	4.26	4.24	9.96	0.32	0.00	5.64	3.07	9.99
8	43.10	1.55	1022.	7.43	3.85	9.40	0.00	2.85	4.82	7.55	0.36	0.00	5.32	2.57	7.64
9	52.90	1.95	1319.	7.67	5.47	13.42	0.00	4.98	3.40	11.19	0.37	0.00	5.44	4.81	9.69
10	56.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	26.90	2.20	1553.	7.51	5.57	13.95	0.00	4.36	6.16	12.79	0.34	0.00	5.19	9.02	9.43
12	35.49	1.94	1353.	7.28	6.59	15.27	0.00	4.12	3.26	12.66	0.28	0.00	4.51	7.51	8.30
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	35.79	2.51	1774.	7.28	8.96	22.79	0.00	3.54	4.53	18.00	0.37	0.00	7.60	7.02	11.82
2	30.47	1.75	1072.	7.34	3.41	8.09	0.00	3.99	5.48	7.43	0.26	0.00	3.86	3.01	10.28
3	53.68	1.41	893.	7.21	4.05	9.15	0.00	3.16	3.21	7.23	0.18	0.00	4.07	2.05	7.65
4	45.72	1.62	1064.	7.93	5.08	11.59	0.00	2.97	3.75	9.30	0.23	0.00	4.27	4.08	7.90
5	49.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	48.96	0.81	540.	7.48	1.65	3.58	0.00	2.07	3.15	2.67	0.18	0.00	3.49	1.52	2.98
7	47.72	1.24	818.	7.45	2.99	7.05	0.00	3.50	3.18	5.46	0.17	0.00	4.78	1.51	6.00
8	47.82	1.85	1167.	7.21	5.98	13.98	0.00	3.41	3.36	11.01	0.27	0.00	4.93	2.25	10.87
9	54.25	1.92	1268.	7.59	5.48	13.16	0.00	4.87	2.96	10.83	0.59	0.00	5.08	3.93	10.28
10	54.80	1.67	1129.	7.65	5.83	13.23	0.00	2.81	3.61	10.44	0.20	0.00	4.38	5.06	7.64
11	45.98	1.54	1045.	7.49	4.74	10.84	0.00	3.92	2.89	8.74	0.18	0.00	4.23	4.62	6.88
12	56.07	1.47	928.	7.56	4.10	9.32	0.00	4.17	2.53	7.50	0.10	0.00	4.06	2.03	8.26
1981	570.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WE09 HALG EL GAMAL BRIDGE YEAR : 1982 CODE : 24
THE WATER QUALITY DATA DURING 1982 ARE BASED ON 15 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.61	1107.	7.82	3.62	9.24	0.00	3.50	3.30	7.59	0.10	0.00	6.24	2.68	7.58
2	-	1.22	824.	8.12	2.88	6.88	0.00	4.33	2.48	5.31	0.10	0.00	5.03	1.56	5.63
3	-	1.76	1081.	7.65	4.93	11.37	0.00	4.04	3.35	9.48	0.15	0.00	4.18	2.20	10.59
4	-	1.63	1105.	7.41	4.92	11.43	0.00	3.67	3.41	9.26	0.32	0.00	4.46	4.77	7.43
5	-	1.43	898.	7.40	4.37	9.77	0.00	3.43	2.64	7.61	0.15	0.00	4.09	1.72	8.03
6	-	1.56	1066.	7.58	5.84	13.09	0.00	3.84	1.79	9.81	0.37	0.00	4.54	4.07	7.21
7	-	1.60	1056.	7.59	5.14	11.62	0.00	3.49	2.97	9.23	0.32	0.00	4.22	3.96	7.83
8	-	1.59	1094.	7.37	4.55	10.96	0.00	4.22	3.17	8.75	0.21	0.00	5.20	4.09	7.00
9	-	1.38	949.	7.35	5.01	11.41	0.00	2.79	2.69	8.29	0.20	0.00	4.95	3.19	5.84
10	-	1.56	1069.	7.51	5.66	12.70	0.00	2.60	3.41	9.81	0.20	0.00	4.34	4.98	6.74
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WE09 HALG EL GAMAL BRIDGE YEAR : 1983 CODE : 23
MEASUREMENT POINT CODE: 23 ; OPEN DRAIN ; BASIC DATA: WATERLEVEL AND FLOAT MEASUREMENTS

DISCHARGE RELATION: Q=0.85*AS*VF
Q - DISCHARGE IN M**3 PER SECOND
0.85 - FACTOR
AS - WETTED CROSS SECTION IN M**2
VF - FLOAT VELOCITY IN M PER SECOND

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 13 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	22.62	1.75	1188.	7.36	5.57	13.01	0.00	4.68	2.54	10.58	0.10	0.00	4.65	4.98	8.28
3	44.31	1.40	969.	7.54	4.66	10.46	0.00	3.56	2.55	8.14	0.12	0.00	4.17	4.60	5.63
4	40.00	1.37	968.	7.68	5.30	11.30	0.00	3.83	1.50	8.65	0.20	0.00	3.69	5.45	5.08
5	53.34	1.13	780.	7.89	5.78	11.61	0.43	2.10	1.43	7.68	0.14	0.00	3.96	2.85	4.53
6	56.39	1.66	1151.	8.59	9.91	20.03	1.16	2.25	1.20	13.02	0.21	0.00	4.61	6.01	6.07
7	52.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	40.87	1.70	1133.	7.86	7.94	17.42	0.33	2.62	2.06	12.15	0.12	0.00	5.01	3.28	8.71
9	57.79	1.58	1082.	8.11	5.42	12.28	0.00	3.28	3.16	9.72	0.10	0.00	4.30	5.12	6.86
10	51.77	1.50	1023.	7.81	5.01	11.35	0.00	3.79	2.50	8.89	0.10	0.00	4.30	4.36	6.69
11	44.16	1.55	1071.	7.92	5.66	11.97	0.00	3.54	2.51	9.84	0.10	0.00	3.26	6.81	6.03
12	35.09	1.24	836.	7.77	4.08	8.39	0.00	3.31	2.20	6.77	0.16	0.00	2.94	4.30	5.50
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WEIO EDMO PS YEAR : 1980 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	3.920	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	-0.220	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		3.216	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		3.200	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1980 ARE BASED ON 22 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	4.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	4.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	7.93	6.26	3863.	7.39	16.59	44.15	0.00	5.77	9.92	46.43	0.92	0.00	7.13	8.78	47.07
4	10.78	4.81	3055.	7.52	16.42	38.13	0.00	3.87	6.68	37.71	0.67	0.00	4.20	13.07	31.61
5	12.33	4.04	2347.	7.08	9.68	25.03	0.00	5.35	7.67	25.20	0.61	0.00	5.34	2.65	30.79
6	15.35	4.56	2757.	7.62	9.99	26.49	0.00	4.46	11.43	28.17	1.21	0.00	6.19	5.76	33.30
7	23.61	3.64	2309.	7.72	10.89	28.10	0.00	4.93	5.81	25.25	0.90	0.00	6.94	5.68	23.82
8	22.25	3.35	2129.	7.56	10.40	26.24	0.00	4.05	5.91	23.21	0.45	0.00	6.33	5.88	21.36
9	24.23	3.18	2031.	7.55	9.57	24.03	0.00	4.09	6.01	21.51	0.44	0.00	5.99	6.09	19.96
10	14.68	3.93	2440.	7.50	9.11	24.96	0.00	5.03	9.30	24.39	0.51	0.00	8.08	4.11	26.99
11	13.20	3.81	2580.	7.73	10.47	26.50	0.00	5.23	7.93	26.86	0.54	0.00	5.31	13.52	21.68
12	7.93	6.00	4239.	7.30	18.31	45.07	0.00	4.53	10.06	49.44	0.87	0.00	4.76	34.76	25.35
1980	161.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	6.67	7.83	5442.	7.57	22.54	60.43	0.00	5.24	12.13	66.44	0.81	0.00	7.48	35.12	42.03
2	3.12	7.36	4558.	7.04	13.83	37.82	0.00	8.99	16.62	49.50	0.72	0.00	5.97	13.68	36.16
3	10.18	4.76	2796.	7.49	12.75	30.33	0.00	3.46	9.67	32.69	0.75	0.00	3.92	6.31	36.30
4	11.45	4.54	2902.	7.79	14.78	34.92	0.00	3.38	7.53	34.83	0.54	0.00	4.35	12.46	29.75
5	12.86	4.12	2666.	7.99	13.63	33.02	0.00	2.85	7.72	31.34	0.49	0.00	5.06	11.57	25.74
6	15.82	2.85	1737.	7.46	7.10	18.03	0.00	2.99	7.96	16.62	0.45	0.00	5.71	3.45	18.84
7	17.73	2.58	1535.	7.71	6.66	16.52	0.00	4.17	5.59	14.72	0.28	0.00	5.35	1.60	17.82
8	21.52	3.42	2043.	7.81	10.10	24.96	0.00	3.86	6.06	22.49	0.62	0.00	5.61	2.88	24.59
9	19.49	3.13	1905.	7.97	8.32	21.05	0.00	5.01	5.76	19.30	0.48	0.00	5.85	3.07	21.68
10	13.94	3.29	1891.	7.67	9.74	23.37	0.00	3.09	6.35	21.16	0.51	0.00	4.88	1.50	24.75
11	8.29	4.55	2895.	7.64	12.94	31.93	0.00	4.69	8.32	33.01	0.67	0.00	4.82	11.25	30.54
12	8.38	4.10	2611.	7.60	11.40	27.53	0.00	4.30	8.55	28.90	0.39	0.00	4.21	11.20	26.73
1981	149.44	3.82	2372.	7.68	10.99	27.26	0.00	3.99	7.45	26.27	0.53	0.00	5.26	6.99	25.99

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	5.99	7.19	4258.	8.13	15.02	39.73	0.00	7.58	14.24	49.63	0.22	0.00	5.40	8.41	57.89
2	4.06	6.86	4073.	8.02	11.83	32.31	0.00	6.68	19.31	42.64	0.44	0.00	5.71	9.30	54.00
3	9.79	2.38	1454.	7.66	6.57	15.33	0.00	2.75	6.24	13.93	0.45	0.00	4.05	4.30	15.00
4	11.92	3.86	2506.	7.40	11.88	29.18	0.00	4.15	7.16	28.23	0.33	0.00	5.09	10.55	24.20
5	15.99	3.06	1929.	7.41	9.62	22.99	0.00	3.67	5.70	20.82	0.45	0.00	4.79	6.49	19.37
6	17.94	3.55	2373.	7.84	11.85	30.23	0.00	4.29	5.57	26.30	0.59	0.00	7.03	8.72	21.00
7	24.85	3.00	1952.	7.60	10.10	24.30	0.00	3.68	5.26	21.35	0.32	0.00	5.17	7.75	17.63
8	19.39	3.28	2094.	7.23	9.43	23.83	0.00	4.19	6.63	21.93	0.44	0.00	5.91	6.65	20.96
9	24.17	2.96	1831.	7.55	9.64	23.05	0.00	2.77	5.94	20.12	0.41	0.00	5.04	4.86	19.29
10	16.12	3.53	2296.	7.56	11.69	27.90	0.00	3.31	6.63	26.06	0.37	0.00	4.72	10.41	21.12
11	11.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	7.01	5.85	3631.	7.33	15.80	39.85	0.00	4.88	10.26	43.47	0.82	0.00	5.17	11.36	42.83
1982	168.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 12 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	7.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	3.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	7.53	4.71	3012.	7.55	13.74	32.90	0.00	4.96	7.99	34.96	0.65	0.00	4.16	12.74	31.66
4	10.86	4.09	2580.	7.99	12.23	29.30	0.00	4.91	6.67	29.43	0.51	0.00	4.38	9.68	27.44
5	14.71	3.80	2264.	7.91	13.09	30.19	0.00	3.68	5.10	27.45	0.61	0.00	4.40	4.72	27.65
6	18.04	4.04	2654.	8.08	18.30	42.57	0.00	2.93	3.83	33.65	0.52	0.00	6.08	12.02	22.80
7	24.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	25.43	2.78	1800.	7.97	9.77	23.58	0.00	3.14	5.05	19.77	0.17	0.06	5.53	6.16	16.38
9	24.71	3.04	1940.	8.23	8.58	20.95	0.00	3.67	7.11	19.92	0.33	0.38	4.39	7.92	18.34
10	20.17	3.68	2377.	7.88	10.37	25.80	0.00	4.28	7.92	25.60	0.20	0.16	4.90	10.14	22.80
11	11.52	4.07	2472.	7.98	9.37	23.24	0.00	6.48	8.35	25.51	0.32	0.12	4.18	7.59	28.76
12	9.24	3.84	2255.	7.86	9.20	21.16	0.00	4.93	8.50	23.84	0.36	0.04	3.05	6.43	28.10
1983	177.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WELL BOSSEILY PS YEAR : 1980 CODE : 13
THE WATER QUALITY DATA DURING 1980 ARE BASED ON 25 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	8.47	5163.	7.33	20.71	53.69	0.00	7.59	11.74	64.40	1.78	0.00	5.52	11.90	68.06
3	-	2.31	1407.	7.90	7.89	18.20	0.00	3.25	3.81	14.82	0.40	0.00	4.69	2.62	14.90
4	-	2.21	1369.	7.59	6.83	15.35	0.00	3.64	4.20	13.52	0.36	0.00	3.71	4.55	13.43
5	-	1.75	1106.	7.09	4.42	10.45	0.00	4.82	3.23	8.86	0.28	0.00	4.44	2.67	10.07
6	-	1.88	1202.	7.98	4.15	10.25	0.00	4.61	4.74	8.96	0.41	0.00	5.02	3.04	10.66
7	-	1.58	1031.	7.48	5.01	12.03	0.00	2.77	3.56	8.92	0.30	0.00	5.85	1.19	8.51
8	-	1.61	1044.	7.29	4.78	11.45	0.00	3.55	3.18	8.77	0.34	0.00	5.45	1.51	8.89
9	-	1.81	1168.	7.50	5.15	12.59	0.00	4.66	2.79	9.95	0.37	0.00	5.72	1.80	10.24
10	-	1.85	1155.	7.58	5.04	12.16	0.00	4.03	3.73	9.93	0.26	0.00	5.14	1.73	11.10
11	-	1.78	1222.	5.36	5.28	12.45	0.00	3.48	4.23	10.37	0.42	0.00	4.61	5.97	7.85
12	-	3.17	2101.	5.04	8.87	21.48	0.00	4.97	6.54	21.28	0.39	0.00	4.39	10.61	18.12
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	20.71	14261.	7.20	44.65	123.07	0.00	12.51	23.89	190.48	1.96	0.00	6.79	78.56	143.45
2	-	10.27	6524.	7.34	23.43	61.17	0.00	12.97	11.14	81.34	1.78	0.00	5.19	20.75	81.23
3	-	3.87	2323.	7.47	12.27	27.87	0.00	3.35	6.75	27.58	0.38	0.00	3.65	6.59	27.83
4	-	3.76	2427.	7.94	12.16	28.83	0.00	4.06	6.30	27.68	0.53	0.00	4.46	10.44	23.69
5	-	2.25	1457.	8.09	8.98	19.84	0.00	2.67	3.67	15.98	0.25	0.00	4.19	5.93	12.45
6	-	1.65	1142.	7.90	5.28	12.44	0.00	2.58	4.35	9.84	0.32	0.00	4.94	5.29	6.86
7	-	1.52	953.	7.50	3.30	7.96	0.00	3.86	4.15	6.61	0.21	0.00	4.75	1.46	8.62
8	-	1.91	1152.	7.48	6.42	14.73	0.00	2.87	3.52	11.46	0.28	0.00	4.75	0.89	12.57
9	-	1.76	1132.	7.75	5.09	12.10	0.00	3.88	3.51	9.79	0.22	0.00	4.94	2.69	9.83
10	-	1.29	861.	7.96	4.26	9.30	0.00	2.41	3.26	7.17	0.13	0.00	3.80	3.69	5.49
11	-	1.91	1268.	7.67	5.66	13.12	0.00	3.59	4.41	11.31	0.25	0.00	4.16	6.01	9.35
12	-	2.34	1403.	7.80	6.85	15.52	0.00	2.58	5.88	14.08	0.16	0.00	3.68	3.90	15.20
1981	-	3.02	1926.	7.65	9.97	23.41	0.00	3.75	5.23	21.12	0.36	0.00	4.51	7.33	18.64

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	6.18	4279.	8.30	16.59	41.80	0.00	6.38	11.19	49.17	0.22	0.00	4.71	30.74	31.44
2	-	6.06	4117.	8.17	13.85	36.52	0.00	6.16	14.68	44.69	0.50	0.00	5.38	23.64	36.88
3	-	3.19	1815.	7.75	8.18	18.70	0.00	2.91	6.10	19.20	0.24	0.00	3.31	3.43	23.73
4	-	2.30	1423.	7.66	6.33	15.07	0.00	3.37	5.53	13.36	0.42	0.00	4.49	3.95	14.14
5	-	2.17	1353.	7.56	6.79	15.72	0.00	4.00	3.66	13.29	0.34	0.00	4.38	3.66	13.18
6	-	2.03	1364.	7.84	7.04	16.83	0.00	3.13	3.97	13.27	0.30	0.00	5.53	4.82	10.36
7	-	2.12	1364.	7.67	7.69	17.55	0.00	3.60	3.14	14.12	0.23	0.00	4.57	4.55	11.94
8	-	1.94	1262.	7.37	6.41	14.91	0.00	3.59	3.54	12.10	0.23	0.00	4.69	4.26	10.44
9	-	1.84	1209.	7.70	6.47	14.90	0.00	2.84	3.65	11.66	0.30	0.00	4.79	4.21	9.42
10	-	1.59	1013.	7.68	5.12	11.29	0.00	2.69	3.63	9.09	0.25	0.00	3.78	3.50	8.39
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	2.09	1262.	7.68	4.67	10.89	0.00	2.88	6.98	10.36	0.34	0.00	3.63	4.03	12.79
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 13 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	6.94	4628.	7.04	16.97	43.75	0.00	5.99	13.91	53.94	0.97	0.00	5.02	24.54	44.80
3	-	3.08	1866.	7.52	9.68	21.91	0.00	3.18	5.98	20.70	0.43	0.00	3.68	5.76	20.78
4	-	2.44	1541.	7.84	9.38	20.58	0.00	3.26	3.50	17.24	0.25	0.00	3.89	5.58	14.73
5	-	2.03	1314.	8.03	11.18	22.23	0.00	2.02	1.96	15.77	0.20	0.00	3.88	5.78	10.32
6	-	1.92	1299.	8.21	9.80	20.95	0.35	1.95	2.50	14.62	0.30	0.00	4.80	5.74	8.85
7	-	1.60	1102.	7.99	6.90	15.14	0.00	2.11	3.10	11.14	0.10	0.00	4.47	5.11	6.89
8	-	1.95	1340.	7.78	8.07	18.42	0.00	2.54	3.48	13.99	0.12	0.07	4.98	6.27	8.87
9	-	2.06	1354.	8.42	6.88	15.67	0.00	1.98	5.64	13.42	0.19	0.51	3.56	7.13	10.04
10	-	1.73	1173.	8.46	5.34	12.31	0.00	2.40	5.14	10.37	0.21	0.59	3.58	6.76	7.20
11	-	1.99	1202.	8.59	5.12	11.51	0.00	3.98	4.49	10.54	0.34	0.25	3.12	3.73	12.29
12	-	1.61	934.	8.31	4.75	9.40	0.00	3.72	2.67	8.50	0.23	0.01	2.30	2.40	10.37
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WE12 EDKO OUTFALL YEAR : 1981 CODE : 24
THE WATER QUALITY DATA DURING 1981 ARE BASED ON 10 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	2.40	1430.	7.90	7.08	16.44	0.00	4.20	4.01	14.35	0.40	0.00	4.25	2.25	16.50
5	-	2.25	1452.	7.63	7.78	17.98	0.00	3.08	4.19	14.84	0.46	0.00	4.61	5.11	12.79
6	-	3.08	2082.	7.29	11.02	26.50	0.00	3.51	5.15	22.92	0.42	0.00	5.39	10.67	15.96
7	-	2.17	1392.	7.48	6.72	16.47	0.00	3.20	4.73	13.38	0.28	0.00	5.82	3.24	12.46
8	-	2.26	1374.	7.65	6.16	15.17	0.00	3.00	5.58	12.75	0.50	0.00	5.57	1.51	14.72
9	-	2.04	1297.	7.86	5.39	13.27	0.00	4.39	4.29	11.23	0.25	0.00	5.38	2.88	11.94
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	3.11	1860.	7.70	8.65	20.38	0.00	3.87	6.60	19.79	0.11	0.00	4.24	4.53	21.65
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 15 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	2.84	1713.	7.71	6.81	16.79	0.00	4.72	6.69	16.28	0.18	0.00	4.64	4.06	19.13
2	-	2.47	1448.	7.56	5.20	12.76	0.00	4.34	6.87	12.31	0.27	0.00	4.41	2.36	17.00
3	-	2.04	1276.	7.64	5.90	13.70	0.00	3.57	4.47	11.83	0.24	0.00	4.21	3.72	12.24
4	-	1.96	1302.	7.34	6.75	15.67	0.00	3.56	3.44	12.62	0.25	0.00	4.75	5.01	10.13
5	-	1.77	1085.	7.26	5.78	12.90	0.00	3.12	3.29	10.35	0.26	0.00	4.02	2.31	10.69
6	-	2.06	1390.	7.67	7.29	17.27	0.00	3.79	3.27	13.69	0.30	0.00	5.34	5.24	10.47
7	-	2.02	1352.	7.58	6.56	15.44	0.00	4.06	3.47	12.73	0.36	0.00	4.79	5.50	10.32
8	-	1.83	1172.	7.64	5.48	13.08	0.00	3.09	4.23	10.49	0.30	0.00	5.13	2.77	10.17
9	-	1.91	1229.	7.51	6.43	14.85	0.00	3.09	3.78	11.91	0.20	0.00	4.66	3.81	10.50
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	1.53	982.	7.72	5.05	11.24	0.00	2.90	3.20	8.81	0.20	0.00	4.05	3.10	7.87
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 11 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	2.07	1367.	7.67	7.57	16.09	0.00	3.31	3.49	13.96	0.27	0.00	3.21	7.84	10.01
4	-	1.86	1178.	7.55	7.15	13.74	0.00	3.02	2.91	12.32	0.26	0.00	2.31	6.08	10.06
5	-	3.20	2035.	7.87	15.38	31.85	0.00	2.51	3.08	25.71	0.42	0.00	3.79	9.76	18.07
6	-	2.35	1559.	8.26	13.45	27.92	0.79	2.29	1.76	19.14	0.21	0.00	4.84	7.32	11.21
7	-	1.64	1146.	8.10	6.72	15.19	0.00	3.20	2.41	11.24	0.10	0.00	4.91	5.11	6.93
8	-	1.85	1284.	8.07	8.69	19.30	0.08	3.27	1.76	13.79	0.10	0.00	5.12	5.96	7.85
9	-	1.76	1200.	7.90	5.87	13.74	0.00	3.57	3.44	10.98	0.10	0.00	4.84	5.19	8.08
10	-	2.05	1339.	7.90	6.15	14.48	0.00	3.05	5.17	12.47	0.10	0.00	4.47	5.60	10.80
11	-	1.96	1193.	8.25	5.57	12.20	0.00	2.66	5.26	11.07	0.17	0.00	3.17	4.27	11.75
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WE13 EDKO BRIDGE YEAR : 1980 CODE : 24
THE WATER QUALITY DATA DURING 1980 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	1.83	1198.	7.65	5.76	12.88	0.00	3.60	3.68	10.99	0.24	0.00	3.71	5.44	9.34
5	-	1.61	1013.	6.92	4.00	9.32	0.00	4.39	3.30	7.84	0.21	0.00	4.18	2.44	9.16
6	-	1.75	1094.	7.50	4.10	10.04	0.00	4.33	4.03	8.38	0.29	0.00	5.19	1.48	10.37
7	-	1.90	1267.	7.51	6.41	15.31	0.00	3.11	3.83	11.95	0.33	0.00	5.31	4.06	9.60
8	-	1.89	1258.	7.53	5.05	12.28	0.00	4.12	4.39	10.42	0.35	0.00	5.04	4.67	9.51
9	-	1.96	1339.	7.48	5.97	14.46	0.00	3.47	4.53	11.94	0.34	0.00	5.30	5.83	9.14
10	-	1.81	1171.	7.87	4.64	11.39	0.00	4.06	4.21	9.44	0.27	0.00	5.34	2.80	9.89
11	-	2.43	1686.	7.80	7.66	18.39	0.00	3.84	5.22	16.31	0.35	0.00	4.79	10.04	10.82
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WI01 NUBAREYA CANAL K52 YEAR : 1981 CODE : 24
THE WATER QUALITY DATA DURING 1981 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	0.42	287.	7.54	1.04	1.84	0.00	1.76	0.86	1.20	0.15	0.00	2.46	0.33	1.18
5	-	0.42	294.	7.55	1.30	2.31	0.35	1.23	1.18	1.42	0.20	0.00	2.76	0.16	1.08
6	-	0.42	283.	7.45	1.18	1.95	0.00	1.43	0.98	1.29	0.26	0.00	2.14	0.66	1.13
7	-	0.41	272.	7.53	1.04	1.68	0.00	1.33	1.09	1.15	0.30	0.00	1.94	0.73	1.15
8	-	0.44	293.	7.45	0.89	1.56	0.00	1.82	1.04	1.07	0.21	0.00	2.22	0.68	1.22
9	-	0.47	322.	7.49	0.98	1.84	0.00	2.30	0.84	1.23	0.13	0.00	2.67	0.42	1.40
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	0.48	337.	7.44	1.48	2.76	0.16	2.00	0.79	1.75	0.10	0.00	2.95	0.30	1.39
12	-	0.53	351.	7.47	0.65	1.29	0.00	2.18	1.89	0.93	0.05	0.00	2.67	1.12	1.24
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 9 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	0.52	348.	7.42	0.79	1.55	0.00	2.19	1.58	1.08	0.09	0.00	2.79	0.81	1.34
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	0.38	246.	7.26	1.45	2.13	0.00	1.34	0.67	1.45	0.07	0.00	1.77	0.44	1.31
4	-	0.41	279.	7.51	1.00	1.71	0.00	1.97	0.69	1.15	0.06	0.00	2.20	0.66	1.01
5	-	0.43	291.	7.86	0.75	1.32	0.00	2.12	0.94	0.93	0.09	0.00	2.12	1.03	0.94
6	-	0.39	249.	8.01	0.95	1.55	0.00	1.02	1.47	1.06	0.08	0.00	1.95	0.38	1.30
7	-	0.39	241.	0.00	0.90	1.47	0.00	0.71	1.77	1.01	0.08	0.00	1.95	0.19	1.43
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	0.47	316.	7.30	1.15	2.02	0.00	1.68	1.33	1.41	0.09	0.00	2.18	1.06	1.27
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	0.42	267.	7.63	0.73	1.09	0.00	1.66	1.32	0.89	0.07	0.00	1.32	1.65	0.96
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WI02 NASR CANAL INLET YEAR : 1981 CODE : 24
THE WATER QUALITY DATA DURING 1981 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	0.88	574.	7.55	3.50	6.69	0.00	2.24	1.36	4.70	0.20	0.00	2.92	1.68	3.89
4	-	1.04	695.	7.42	4.58	8.37	0.00	1.91	1.88	6.30	0.25	0.00	2.47	3.84	4.06
5	-	1.06	718.	7.65	4.78	9.24	0.00	2.47	1.29	6.56	0.20	0.00	3.10	3.32	4.10
6	-	1.21	862.	7.51	4.27	9.20	0.00	3.47	1.86	6.98	0.20	0.00	3.73	4.82	4.01
7	-	1.12	801.	7.68	4.25	8.69	0.00	3.75	0.99	6.55	0.27	0.00	3.22	5.01	3.27
8	-	0.96	620.	7.61	3.18	6.11	0.00	2.86	1.50	4.69	0.28	0.00	2.57	2.33	4.43
9	-	1.07	696.	7.88	3.47	6.80	0.00	2.77	2.09	5.41	0.25	0.00	2.59	3.27	4.67
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	1.44	972.	8.05	6.52	12.74	0.00	2.76	1.74	9.78	0.19	0.00	2.96	6.22	5.20
12	-	1.22	813.	7.68	4.01	8.20	0.00	2.33	3.23	6.68	0.11	0.00	2.86	4.78	4.64
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 10 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.07	718.	7.92	3.11	6.48	0.00	2.63	2.87	5.16	0.13	0.00	3.02	3.80	3.95
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	1.12	719.	7.70	3.81	7.82	0.00	3.19	1.65	5.93	0.12	0.00	3.16	2.19	5.54
4	-	1.34	904.	7.70	5.35	10.80	0.00	2.88	2.07	8.43	0.15	0.00	3.05	5.11	5.37
5	-	1.33	903.	7.68	5.63	11.27	0.00	2.41	2.30	8.64	0.10	0.00	3.09	5.52	4.83
6	-	1.39	936.	7.95	6.19	12.48	0.00	2.81	1.78	9.37	0.12	0.00	3.29	5.98	4.81
7	-	1.16	827.	7.72	5.49	11.27	0.00	2.98	0.98	7.72	0.19	0.00	3.94	3.89	4.05
8	-	1.28	893.	7.67	7.03	13.05	0.00	1.99	1.47	9.25	0.15	0.00	3.00	6.53	3.39
9	-	1.47	984.	7.50	6.80	13.22	0.00	2.75	1.66	10.09	0.16	0.00	2.97	5.94	5.78
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	1.34	895.	7.81	5.29	10.23	0.00	3.33	1.67	8.35	0.14	0.00	2.56	5.35	5.58
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WI03 IRR PS NO 1 SUCTION YEAR : 1981 CODE : 24
THE WATER QUALITY DATA DURING 1981 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	0.97	624.	7.68	3.09	6.16	0.00	2.37	2.20	4.66	0.22	0.00	2.86	2.24	4.30
4	-	1.01	683.	7.58	3.98	7.90	0.00	2.27	1.89	5.74	0.22	0.00	3.12	3.00	3.96
5	-	1.09	727.	7.63	4.65	9.16	0.00	2.34	1.67	6.58	0.20	0.00	3.18	2.93	4.70
6	-	1.19	829.	7.54	4.30	9.09	0.00	2.53	2.59	6.87	0.23	0.00	3.54	4.43	4.25
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	1.15	778.	7.70	4.30	8.83	0.00	3.31	1.37	6.58	0.21	0.00	3.32	3.41	4.76
9	-	1.04	672.	8.05	3.47	6.95	0.00	2.91	1.71	5.28	0.20	0.00	2.92	2.40	4.81
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	1.37	931.	7.99	6.20	12.23	0.00	2.79	1.61	9.20	0.19	0.00	3.11	5.44	5.23
12	-	1.25	825.	7.79	4.50	8.97	0.00	2.43	2.76	7.25	0.11	0.00	2.72	4.57	5.26
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 10 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.19	781.	8.24	3.84	7.90	0.00	3.06	2.34	6.30	0.13	0.00	2.97	3.73	5.11
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	1.05	679.	7.98	3.90	7.82	0.00	3.15	1.17	5.73	0.11	0.00	3.15	1.98	5.02
4	-	1.06	712.	7.92	4.32	8.84	0.00	2.70	1.46	6.23	0.11	0.00	3.60	2.31	4.59
5	-	1.09	734.	7.84	4.47	8.94	0.00	3.15	1.07	6.49	0.11	0.00	3.23	3.09	4.49
6	-	1.15	780.	7.99	5.05	9.70	0.00	2.75	1.39	7.26	0.11	0.00	2.82	4.54	4.14
7	-	1.24	853.	7.53	4.65	9.04	0.00	3.51	1.55	7.41	0.16	0.00	2.52	6.03	4.08
8	-	1.25	892.	7.66	5.99	12.09	0.00	2.51	1.59	8.58	0.12	0.00	3.59	5.99	3.22
9	-	1.22	833.	7.87	4.78	9.56	0.00	2.73	2.06	7.39	0.19	0.00	2.98	4.93	4.46
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	1.12	748.	7.71	3.81	7.66	0.00	2.65	2.40	6.05	0.13	0.00	2.82	4.07	4.34
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WI04 IRR PS NO 1 DELIVERY YEAR : 1981 CODE : 24
THE WATER QUALITY DATA DURING 1981 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	0.86	553.	7.52	3.86	7.21	0.00	1.76	1.40	4.89	0.20	0.00	3.00	1.15	4.03
4	-	1.03	690.	7.53	3.77	7.59	0.00	2.73	1.67	5.59	0.23	0.00	3.15	2.77	4.30
5	-	1.17	802.	7.63	5.18	10.23	0.00	2.38	1.78	7.46	0.20	0.00	3.18	4.14	4.54
6	-	1.13	775.	7.86	3.36	7.38	0.00	3.31	2.23	5.59	0.28	0.00	3.86	3.14	4.41
7	-	1.10	763.	7.53	3.77	8.09	0.00	3.00	2.03	5.97	0.22	0.00	3.79	3.30	4.05
8	-	1.15	765.	7.58	4.21	8.48	0.00	2.79	2.00	6.51	0.20	0.00	3.00	3.58	4.86
9	-	1.09	711.	7.80	3.55	7.14	0.00	2.91	2.02	5.57	0.20	0.00	2.85	3.00	4.92
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	1.25	824.	7.68	3.98	8.06	0.00	2.89	2.84	6.73	0.10	0.00	2.69	4.70	5.17
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 10 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.17	782.	8.12	3.43	7.19	0.00	3.19	2.67	5.87	0.11	0.00	2.98	4.10	4.76
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	1.06	691.	8.06	4.01	8.19	0.00	3.24	1.04	5.87	0.11	0.00	3.43	1.81	5.02
4	-	1.10	746.	7.94	4.82	9.73	0.00	3.07	0.92	6.81	0.12	0.00	3.55	2.77	4.59
5	-	1.13	767.	7.81	4.72	9.49	0.00	3.00	1.29	6.90	0.11	0.00	3.30	3.48	4.52
6	-	1.15	779.	8.08	5.25	10.07	0.00	2.91	1.06	7.40	0.11	0.00	2.91	4.15	4.42
7	-	1.35	929.	8.01	6.74	12.73	0.00	2.98	0.87	9.35	0.31	0.00	2.93	6.24	4.33
8	-	1.21	842.	8.11	5.46	10.63	0.00	1.99	2.20	7.89	0.22	0.00	3.01	5.79	3.54
9	-	1.19	794.	7.82	5.13	9.96	0.00	2.57	1.63	7.42	0.20	0.00	2.94	3.96	4.92
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	1.12	744.	7.70	4.84	8.71	0.00	3.08	0.98	6.90	0.13	0.00	2.24	4.46	4.40
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WIO5 IRR PS NO 2 SUCTION YEAR : 1982 CODE : 24
THE WATER QUALITY DATA DURING 1982 ARE BASED ON 9 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	1.05	679.	8.00	3.81	7.65	0.00	3.34	1.07	5.65	0.10	0.00	3.12	2.06	4.98
4	-	1.35	918.	7.96	5.99	12.18	0.00	3.45	1.05	8.99	0.11	0.00	3.45	4.35	5.80
5	-	1.27	848.	7.57	5.29	10.82	0.00	2.98	1.58	7.99	0.11	0.00	3.43	3.57	5.67
6	-	1.29	880.	7.75	4.99	10.18	0.00	3.00	2.06	7.95	0.13	0.00	3.09	5.02	5.02
7	-	1.43	977.	7.85	5.68	11.25	0.00	3.53	1.67	9.15	0.17	0.00	2.76	6.71	5.04
8	-	1.26	827.	7.97	4.59	9.30	0.00	2.86	2.23	7.32	0.14	0.00	2.97	3.85	5.72
9	-	1.26	805.	8.05	4.69	9.31	0.00	2.90	1.92	7.29	0.19	0.00	2.84	3.16	6.30
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	1.26	834.	7.82	4.63	9.02	0.00	2.87	2.24	7.40	0.15	0.00	2.53	4.83	5.30
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WI06 IRR PS NO 2 DELIVERY YEAR : 1981 CODE : 24
THE WATER QUALITY DATA DURING 1981 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	1.10	724.	7.73	5.02	9.90	0.00	2.22	1.51	6.86	0.22	0.00	2.89	3.24	4.62
4	-	1.17	789.	7.66	4.64	9.30	0.00	2.81	1.69	6.97	0.22	0.00	3.11	3.81	4.81
5	-	1.33	911.	7.72	6.49	12.68	0.00	2.68	1.30	9.17	0.20	0.00	3.24	5.22	4.92
6	-	1.43	981.	7.43	4.41	9.83	0.00	4.45	2.01	7.93	0.21	0.00	3.81	4.78	6.08
7	-	1.16	819.	7.72	3.89	8.27	0.00	3.13	2.20	6.36	0.30	0.00	3.47	4.69	3.82
8	-	1.18	773.	7.51	3.70	7.76	0.00	4.19	1.15	6.05	0.21	0.00	3.24	2.89	5.43
9	-	1.18	784.	7.64	3.79	7.78	0.00	3.53	1.82	6.22	0.20	0.00	2.94	3.78	5.07
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	1.53	#1055.	8.08	6.76	14.13	0.00	3.26	1.58	10.51	0.19	0.00	3.76	5.92	5.86
12	-	1.44	952.	7.98	4.87	10.07	0.00	3.30	2.71	8.45	0.10	0.00	2.89	5.37	6.23
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 10 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.36	884.	8.32	4.55	9.33	0.00	3.29	2.49	7.74	0.06	0.00	2.84	4.34	6.37
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	1.02	646.	8.08	4.39	8.21	0.00	2.06	1.66	5.98	0.09	0.00	2.72	2.15	4.92
4	-	1.28	854.	8.02	5.75	11.28	0.00	2.36	1.93	8.42	0.11	0.00	3.05	4.29	5.47
5	-	1.27	845.	7.58	5.40	10.81	0.00	2.33	2.17	8.10	0.11	0.00	3.17	3.97	5.57
6	-	1.32	885.	7.73	5.68	11.14	0.00	2.81	1.73	8.56	0.13	0.00	2.91	5.01	5.31
7	-	1.37	940.	7.63	5.25	10.64	0.00	2.98	2.34	8.57	0.14	0.00	2.93	6.12	4.99
8	-	1.26	868.	7.73	6.39	11.96	0.00	2.15	1.62	8.78	0.11	0.00	2.85	6.12	3.70
9	-	1.27	846.	7.88	5.38	10.34	0.00	2.46	2.02	8.06	0.19	0.00	2.69	4.72	5.32
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	1.29	847.	7.89	5.44	10.39	0.00	3.27	1.23	8.15	0.15	0.00	2.64	4.23	5.93
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : W107 IRR PS NO 3 SUCTION YEAR : 1981 CODE : 24
THE WATER QUALITY DATA DURING 1981 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	0.98	620.	7.59	3.74	7.25	0.00	1.88	2.04	5.23	0.23	0.00	2.94	1.70	4.74
4	-	1.19	800.	7.60	5.44	10.62	0.00	2.26	1.70	7.65	0.25	0.00	3.17	3.86	4.81
5	-	1.24	829.	7.66	5.94	11.58	0.00	2.26	1.59	8.25	0.20	0.00	3.25	3.72	5.37
6	-	1.41	989.	7.34	5.34	11.63	0.00	3.30	2.21	8.86	0.20	0.00	3.97	5.21	5.43
7	-	1.29	950.	7.29	4.12	8.91	0.00	4.06	2.14	7.25	0.27	0.00	3.38	7.32	3.04
8	-	1.21	837.	7.28	3.24	6.92	0.00	3.47	3.01	5.83	0.22	0.00	3.00	5.33	4.20
9	-	1.33	892.	7.71	4.44	9.20	0.00	3.05	2.70	7.53	0.20	0.00	2.98	5.03	5.47
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	1.55	1020.	7.97	6.68	12.71	0.00	2.83	1.86	10.53	0.19	0.00	2.33	6.87	6.20
12	-	1.46	946.	7.69	5.49	10.88	0.00	2.89	2.55	9.05	0.09	0.00	2.66	5.08	6.76
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 10 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.33	886.	8.09	4.19	8.79	0.00	3.18	2.94	7.34	0.05	0.00	2.97	4.97	5.54
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	1.08	683.	7.27	3.20	6.63	0.00	2.34	2.66	5.15	0.11	0.00	3.08	2.20	5.19
4	-	1.27	854.	7.51	5.49	11.05	0.00	2.68	1.75	8.17	0.11	0.00	3.30	4.16	5.25
5	-	1.24	834.	7.71	5.40	10.79	0.00	2.58	1.76	7.96	0.11	0.00	3.24	4.09	5.08
6	-	1.25	857.	7.84	4.84	9.77	0.00	2.97	2.02	7.64	0.11	0.00	3.00	5.16	4.58
7	-	1.44	985.	8.04	5.57	11.17	0.00	3.23	2.11	9.10	0.22	0.00	2.83	6.81	5.01
8	-	1.44	1002.	8.22	7.69	14.29	0.00	1.98	1.78	10.55	0.17	0.00	2.86	8.34	3.28
9	-	1.50	1032.	8.09	2.97	6.57	0.00	2.38	7.03	6.45	0.19	0.00	2.73	8.29	5.03
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	1.34	899.	7.91	4.53	9.04	0.00	2.84	2.97	7.72	0.15	0.00	2.53	5.85	5.30
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WIOB IRR PS NO 3 DELIVERY YEAR : 1982 CODE : 24
THE WATER QUALITY DATA DURING 1982 ARE BASED ON 9 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	1.11	711.	7.68	3.67	7.62	0.00	2.36	2.61	5.78	0.11	0.00	3.27	2.20	5.36
4	-	1.38	919.	7.62	5.08	10.77	0.00	2.80	2.63	8.37	0.13	0.00	3.50	4.38	5.91
5	-	1.30	881.	7.62	4.68	10.04	0.00	2.83	2.57	7.69	0.12	0.00	3.67	4.10	5.38
6	-	1.25	849.	7.92	5.46	10.82	0.00	2.88	1.49	8.07	0.13	0.00	3.12	4.59	4.87
7	-	1.44	987.	7.62	6.09	12.34	0.00	3.06	1.87	9.55	0.14	0.00	3.18	6.28	5.16
8	-	2.80	1788.	7.79	8.71	18.84	0.00	4.75	4.72	18.96	0.09	0.00	2.85	9.00	16.67
9	-	2.01	1274.	7.64	6.87	14.13	0.00	4.09	2.88	12.83	0.21	0.00	2.69	6.05	11.26
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	1.22	793.	7.76	4.61	9.15	0.00	2.48	2.30	7.13	0.14	0.00	2.85	3.74	5.45
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : W109 CANAKLEES BRIDGE K60 YEAR : 1981 CODE : 24
THE WATER QUALITY DATA DURING 1981 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	0.63	409.	7.49	1.89	3.55	0.00	1.90	1.51	2.47	0.15	0.00	2.65	0.74	2.62
4	-	0.65	450.	7.56	2.22	4.29	0.00	2.06	1.28	2.87	0.19	0.00	3.06	1.10	2.28
5	-	0.67	459.	7.71	2.90	5.33	0.00	1.67	1.25	3.50	0.17	0.00	2.90	1.30	2.35
6	-	0.61	406.	7.92	1.81	3.48	0.00	2.02	1.36	2.35	0.15	0.00	2.94	0.45	2.49
7	-	0.66	467.	7.97	2.63	4.89	0.00	2.03	1.16	3.32	0.12	0.00	2.80	2.05	1.76
8	-	0.75	537.	7.68	2.92	5.61	0.00	2.32	1.15	3.85	0.26	0.00	2.99	2.62	1.96
9	-	0.61	425.	7.83	1.74	3.34	0.00	1.94	1.58	2.31	0.18	0.00	2.77	1.44	1.91
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	0.75	522.	7.85	3.50	6.43	0.00	1.97	1.00	4.27	0.18	0.00	2.93	2.16	2.33
12	-	0.78	527.	7.96	2.35	4.64	0.00	2.83	1.37	3.41	0.10	0.00	2.82	2.08	2.78
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 10 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.09	736.	8.31	3.09	6.40	0.00	3.17	2.59	5.24	0.08	0.00	2.84	4.16	4.08
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	0.59	398.	7.74	2.33	4.17	0.00	1.84	1.03	2.79	0.08	0.00	2.60	0.98	2.15
4	-	0.73	497.	7.60	2.81	5.45	0.00	2.29	1.10	3.66	0.11	0.00	3.15	1.22	2.78
5	-	0.73	486.	7.50	2.86	5.49	0.00	1.95	1.37	3.69	0.09	0.00	3.11	0.88	3.11
6	-	0.68	466.	7.78	2.72	5.09	0.00	2.26	0.90	3.42	0.09	0.00	2.89	1.35	2.43
7	-	0.78	533.	7.69	3.31	6.06	0.00	2.59	0.74	4.27	0.11	0.00	2.62	2.34	2.75
8	-	0.89	625.	7.77	4.14	7.60	0.00	2.07	1.38	5.44	0.11	0.00	2.65	4.07	2.28
9	-	0.79	559.	8.00	2.78	5.23	0.00	2.64	1.08	3.80	0.43	0.00	2.60	3.15	2.21
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	0.66	449.	8.00	1.66	3.14	0.00	2.45	1.59	2.35	0.15	0.00	2.41	2.21	1.93
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WII0 NUBAREYA CANAL K65 YEAR : 1981 CODE : 24
THE WATER QUALITY DATA DURING 1981 ARE BASED ON 13 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	0.69	466.	7.78	2.88	5.34	0.00	1.66	1.35	3.53	0.20	0.00	2.94	1.25	2.48
6	-	0.61	415.	7.84	1.76	3.41	0.00	1.87	1.61	2.32	0.17	0.00	2.94	0.96	2.06
7	-	0.66	459.	8.00	1.77	3.48	0.00	2.36	1.39	2.48	0.17	0.00	2.85	1.78	1.96
8	-	0.68	458.	7.73	1.72	3.47	0.00	2.88	1.17	2.44	0.15	0.00	3.10	0.81	2.73
9	-	0.65	445.	7.97	1.74	3.39	0.00	2.43	1.41	2.42	0.16	0.00	2.77	1.55	2.09
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	0.99	662.	7.75	3.83	7.51	0.00	2.13	2.06	5.55	0.11	0.00	2.92	3.07	3.86
12	-	0.73	476.	7.87	1.98	3.87	0.00	2.61	1.50	2.84	0.09	0.00	2.71	1.36	2.99
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 10 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.01	662.	8.31	3.64	7.24	0.00	3.10	1.30	5.41	0.07	0.00	2.97	2.48	4.44
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	0.56	377.	7.42	2.01	3.62	0.00	1.74	1.18	2.43	0.08	0.00	2.56	0.80	2.07
4	-	0.63	417.	7.47	1.63	3.22	0.00	1.92	1.82	2.23	0.12	0.00	3.00	0.62	2.45
5	-	0.69	456.	7.52	2.03	4.05	0.00	2.48	1.28	2.79	0.09	0.00	3.15	0.58	2.91
6	-	0.66	467.	7.99	2.57	4.77	0.00	2.02	1.26	3.28	0.09	0.00	2.73	2.16	1.75
7	-	0.69	469.	7.63	2.46	4.61	0.00	1.97	1.42	3.20	0.18	0.00	2.72	1.76	2.30
8	-	0.76	508.	7.73	2.43	4.69	0.00	2.15	1.78	3.41	0.13	0.00	2.71	2.04	2.73
9	-	0.78	501.	7.79	2.32	4.38	0.00	2.45	1.58	3.30	0.19	0.00	2.43	1.65	3.44
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	0.65	445.	7.79	2.23	4.09	0.00	1.99	1.42	2.91	0.11	0.00	2.49	2.06	1.88
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WI11 NUBAREYA CANAL K75 YEAR : 1982 CODE : 24
THE WATER QUALITY DATA DURING 1982 ARE BASED ON 9 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.53	1033.	8.13	4.93	10.45	0.00	3.86	2.77	8.97	0.11	0.00	3.02	6.30	6.36
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	0.98	650.	8.03	3.44	6.96	0.00	3.29	1.08	5.06	0.18	0.00	3.20	2.17	4.21
4	-	1.15	804.	7.85	4.93	9.77	0.00	3.07	1.09	7.10	0.39	0.00	3.20	4.42	4.03
5	-	1.10	737.	7.52	4.56	8.94	0.00	2.83	1.30	6.55	0.22	0.00	3.04	3.25	4.61
6	-	1.03	694.	7.83	3.83	7.41	0.00	2.81	1.67	5.73	0.11	0.00	2.65	3.77	3.91
7	-	1.33	890.	7.92	5.57	10.36	0.00	3.14	1.53	8.51	0.13	0.00	2.32	6.17	4.82
8	-	1.14	761.	8.07	5.39	9.79	0.00	2.16	1.60	7.39	0.12	0.00	2.49	4.80	3.98
9	-	1.11	731.	8.05	4.74	8.68	0.00	2.37	1.72	6.79	0.13	0.00	2.35	4.07	4.60
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	1.07	706.	7.72	4.43	8.26	0.00	2.42	1.70	6.35	0.12	0.00	2.49	3.77	4.34
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WI12 NUDAREYA CANAL K100 YEAR : 1981 CODE : 24
THE WATER QUALITY DATA DURING 1981 ARE BASED ON 13 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	1.38	932.	7.19	4.78	10.11	0.00	3.17	2.56	8.08	0.21	0.00	3.31	4.82	5.92
5	-	1.53	1033.	7.59	5.93	12.22	0.00	3.30	2.18	9.82	0.21	0.00	3.14	6.12	6.26
6	-	1.54	1093.	7.61	4.07	9.31	0.00	5.28	2.50	8.04	0.38	0.00	3.77	6.83	5.61
7	-	1.50	977.	7.93	4.81	10.37	0.00	3.32	2.92	8.50	0.23	0.00	3.41	4.12	7.48
8	-	1.25	792.	7.36	3.78	7.95	0.00	2.96	2.69	6.35	0.20	0.00	3.16	2.71	6.29
9	-	1.34	893.	7.61	4.44	9.22	0.00	3.36	2.39	7.53	0.20	0.00	3.00	4.78	5.74
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	1.85	1270.	7.93	5.95	12.90	0.00	3.37	4.17	11.55	0.19	0.00	3.15	8.89	7.34
12	-	1.53	1021.	7.86	4.28	9.16	0.00	3.85	3.55	8.23	0.11	0.00	2.87	6.22	6.58
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 8 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.50	961.	8.13	4.45	9.47	0.00	3.86	2.78	8.12	0.12	0.00	3.02	4.37	7.46
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	1.87	1249.	7.75	7.04	14.64	0.00	4.40	1.97	12.57	0.04	0.00	3.01	7.69	8.28
5	-	1.64	1101.	7.61	5.83	12.38	0.00	3.67	2.65	10.36	0.09	0.00	3.23	6.08	7.45
6	-	1.84	1221.	7.88	7.76	15.67	0.00	3.30	2.20	12.88	0.16	0.00	3.00	7.35	8.18
7	-	2.05	1346.	7.91	10.79	21.19	0.00	2.97	1.30	15.75	0.23	0.00	3.46	7.46	9.33
8	-	2.14	1360.	8.06	12.38	23.99	0.01	2.15	1.58	16.92	0.20	0.00	3.74	5.34	11.77
9	-	2.00	1289.	7.44	9.10	18.89	0.00	2.83	2.26	14.52	0.25	0.00	3.70	5.05	11.12
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	1.53	1021.	7.63	5.85	11.93	0.00	3.11	2.47	9.77	0.16	0.00	2.96	5.75	6.80
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WNO1 DRAIN NO 3 YEAR : 1981 CODE : 23
MEASUREMENT POINT CODE: 23 ; OPEN DRAIN ; BASIC DATA: WATERLEVEL AND FLOAT MEASUREMENTS

DISCHARGE RELATION: Q=0.85*AS*VF
Q - DISCHARGE IN M**3 PER SECOND
0.85 - FACTOR
AS - WETTED CROSS SECTION IN M**2
VF - FLOAT VELOCITY IN M PER SECOND

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 13 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	3.14	5.47	3783.	7.58	17.74	42.44	0.00	6.30	6.48	44.86	0.48	0.00	4.39	28.34	29.40
6	3.30	5.86	4193.	7.45	14.50	38.35	0.00	8.43	10.57	44.70	0.72	0.00	5.84	29.12	29.52
7	3.32	6.96	4700.	8.27	29.40	66.94	0.00	4.84	4.16	62.36	0.86	0.00	4.88	32.00	39.37
8	3.04	6.12	4129.	7.53	18.84	46.09	0.00	7.34	6.73	49.97	0.51	0.00	4.73	25.69	34.17
9	3.54	5.60	3854.	7.63	16.77	40.98	0.00	8.67	5.59	44.80	0.57	0.00	4.54	26.57	28.46
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	3.75	6.66	4744.	7.35	21.51	51.25	0.00	10.04	4.06	57.10	0.59	0.00	4.22	40.41	27.13
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WNO1 DRAIN NO 3 YEAR : 1982 CODE : 24
THE WATER QUALITY DATA DURING 1982 ARE BASED ON 9 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	5.44	3734.	7.94	13.91	34.87	0.00	10.93	6.49	41.06	0.13	0.00	4.44	23.73	30.43
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	5.41	3667.	7.66	14.75	37.10	0.00	8.69	7.11	41.46	0.41	0.00	4.87	21.52	31.27
4	-	5.68	3954.	7.30	16.83	42.13	0.00	8.20	6.57	45.71	0.48	0.00	5.10	27.94	27.92
5	-	5.57	3734.	7.43	17.14	42.10	0.00	8.04	5.45	44.50	0.50	0.00	4.88	21.32	32.29
6	-	5.28	3668.	7.66	16.76	40.41	0.00	7.13	5.92	42.82	0.41	0.00	4.47	27.46	24.34
7	-	5.76	4032.	7.88	17.99	43.50	0.00	7.97	5.92	47.41	0.41	0.00	4.43	31.53	25.75
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	5.86	3866.	7.35	19.42	44.94	0.00	6.69	5.37	48.07	0.50	0.00	3.88	22.79	34.15
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	4.88	3238.	7.84	16.41	37.54	0.00	6.23	4.99	38.87	0.51	0.00	3.74	19.97	26.89
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WN02 DRAIN NO 6 YEAR : 1981 CODE : 23
MEASUREMENT POINT CODE: 23 : OPEN DRAIN ; BASIC DATA: WATERLEVEL AND FLOAT MEASUREMENTS

DISCHARGE RELATION: Q=0.85*AS*VF
Q - DISCHARGE IN M**3 PER SECOND
0.85 - FACTOR
AS - WETTED CROSS SECTION IN M**2
VF - FLOAT VELOCITY IN M PER SECOND

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	8.00	6.03	4167.	7.64	16.90	40.75	0.00	8.01	8.07	47.92	0.75	0.00	3.93	30.47.	30.38
6	6.82	5.05	3484.	7.39	11.75	28.97	0.00	7.57	10.90	35.70	0.79	0.00	3.80	24.24	26.91
7	9.94	4.04	2691.	7.49	13.86	29.17	0.00	5.32	4.80	31.18	0.51	0.00	2.63	19.30	19.83
8	7.61	4.86	3180.	7.73	15.81	34.83	0.00	7.13	4.45	38.05	0.51	0.00	3.04	18.68	28.41
9	8.51	5.01	3333.	7.89	14.47	34.01	0.00	8.06	5.84	38.14	0.59	0.00	3.65	19.62	29.28
10	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	11.38	5.98	4104.	7.67	19.23	43.91	0.00	8.74	4.47	49.43	0.62	0.00	3.45	30.47	29.41
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WN02 DRAIN NO 6 YEAR : 1982 CODE : 24
THE WATER QUALITY DATA DURING 1982 ARE BASED ON 9 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	5.24	3488.	8.21	13.44	31.94	0.00	9.65	7.04	38.83	0.15	0.00	3.41	20.00	32.26
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	5.43	3614.	7.83	14.63	35.32	0.00	7.79	8.03	41.15	0.49	0.00	3.87	20.73	32.86
4	-	5.85	3982.	7.66	17.09	41.17	0.00	7.93	7.01	46.70	0.56	0.00	4.10	26.67	31.43
5	-	5.59	3788.	7.70	17.63	40.78	0.00	7.98	5.16	45.20	0.52	0.00	3.62	26.12	29.11
6	-	5.47	3700.	7.81	19.13	42.76	0.00	6.34	4.94	45.45	0.43	0.00	3.44	26.98	26.74
7	-	5.81	4010.	7.78	19.32	44.63	0.00	7.97	4.61	48.43	0.51	0.00	3.78	30.66	27.07
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	5.45	3604.	7.70	16.54	38.06	0.00	8.25	5.06	42.68	0.80	0.00	3.46	21.09	32.25
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	4.56	3082.	7.61	13.76	31.12	0.00	8.10	4.58	34.65	0.61	0.00	3.16	21.07	23.71
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WN03 EL NORE DRAIN YEAR : 1981 CODE : 23
MEASUREMENT POINT CODE: 23 ; OPEN DRAIN ; BASIC DATA: WATERLEVEL AND FLOAT MEASUREMENTS

DISCHARGE RELATION: Q=0.85*AS*VF
Q - DISCHARGE IN M**3 PER SECOND
0.85 - FACTOR
AS - WETTED CROSS SECTION IN M**2
VF - FLOAT VELOCITY IN M PER SECOND

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 10 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	4.26	6.08	4374.	7.65	14.92	37.20	0.00	12.64	7.15	46.94	0.47	0.00	4.06	36.04	27.08
6	4.20	5.95	4132.	7.59	14.11	36.13	0.00	13.66	6.26	44.53	0.38	0.00	4.64	26.50	33.55
7	2.99	4.81	3278.	7.49	12.75	30.37	0.00	10.31	5.01	35.29	0.63	0.00	3.59	21.34	26.30
8	1.93	4.80	3297.	7.47	12.41	29.19	0.00	11.01	4.95	35.05	0.43	0.00	3.27	22.73	25.48
9	1.99	5.60	3929.	7.73	12.92	32.01	0.00	13.45	6.57	40.88	0.42	0.00	3.79	27.94	29.67
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	1.25	5.52	3868.	7.85	13.07	31.44	0.00	14.22	5.01	40.53	0.49	0.00	3.32	27.98	28.96
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WN03 EL NORE DRAIN YEAR : 1982 CODE : 24
THE WATER QUALITY DATA DURING 1982 ARE BASED ON 8 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	6.78	4668	7.58	13.62	34.33	0.00	14.73	10.87	48.72	0.42	0.00	3.67	28.79	42.28
4	-	6.65	4643.	7.52	14.79	37.19	0.00	12.84	10.15	50.14	0.18	0.00	3.90	32.33	37.07
5	-	6.07	4227.	7.55	14.80	36.26	0.00	11.62	7.93	46.27	0.32	0.00	3.71	30.53	31.91
6	-	6.88	4928.	7.60	15.89	39.15	0.00	15.24	7.32	53.35	0.42	0.00	3.58	39.37	33.38
7	-	7.29	5196.	7.61	15.70	39.47	0.00	15.02	10.00	55.53	0.68	0.00	3.76	39.60	37.86
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	7.43	5099.	7.84	16.50	39.85	0.00	16.39	7.18	56.64	0.71	0.00	3.17	32.32	45.43
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	5.38	3181.	7.90	11.94	29.18	0.00	9.06	8.38	35.25	0.43	0.00	3.76	7.42	41.93
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WT01 TABIA PS YEAR : 1980 CODE : 13
THE WATER QUALITY DATA DURING 1980 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	2.18	1447.	7.04	7.16	17.72	0.00	3.37	4.28	14.00	0.36	0.00	6.42	3.77	11.83
4	-	2.13	1345.	7.34	5.01	11.89	0.00	3.51	6.43	11.16	0.30	0.00	3.98	5.43	11.99
5	-	2.06	1320.	7.09	5.31	12.89	0.00	4.51	4.54	11.29	0.25	0.00	4.83	4.23	11.50
6	-	2.12	1326.	7.46	5.71	14.03	0.00	4.10	4.45	11.80	0.40	0.00	5.45	2.27	13.03
7	-	2.32	1508.	7.39	7.00	17.37	0.00	3.60	4.93	14.47	0.34	0.00	5.96	4.30	13.01
8	-	2.03	1350.	7.25	6.30	15.25	0.00	3.58	4.22	12.44	0.41	0.00	5.45	4.57	10.52
9	-	2.13	1416.	7.21	5.93	14.45	0.00	5.33	3.51	12.47	0.38	0.00	5.08	5.42	11.15
10	-	2.12	1412.	7.55	4.68	12.41	0.00	4.36	6.25	10.79	0.25	0.00	7.14	3.24	11.26
11	-	2.45	1749.	7.61	7.47	18.70	0.00	4.31	5.27	16.36	0.36	0.00	5.81	10.17	10.33
12	-	2.65	1819.	7.39	7.90	19.32	0.00	5.41	4.58	17.67	0.30	0.00	4.98	9.83	13.43
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	4.88	3324.	7.20	15.66	41.76	0.00	4.58	7.67	38.75	0.60	0.00	8.48	14.62	28.41
2	-	3.31	1986.	6.99	8.02	19.67	0.00	7.56	4.61	19.77	0.35	0.00	4.47	4.28	23.49
3	-	1.68	1019.	7.25	5.58	12.29	0.00	2.94	3.07	9.67	0.33	0.00	3.94	1.62	10.42
4	-	1.92	1278.	7.44	6.38	15.05	0.00	3.21	3.85	12.00	0.35	0.00	5.06	4.66	9.73
5	-	1.85	1278.	7.54	7.09	16.59	0.00	2.88	3.39	12.55	0.23	0.00	5.43	5.09	8.63
6	-	1.69	1162.	7.18	5.13	12.83	0.00	3.30	3.89	9.73	0.27	0.00	6.73	2.55	7.94
7	-	2.25	1388.	7.25	8.26	19.28	0.00	3.34	3.21	14.95	0.25	0.00	5.33	2.02	14.31
8	-	2.13	1328.	7.36	7.37	17.21	0.00	3.62	3.15	13.56	0.39	0.00	5.09	2.39	13.13
9	-	2.19	1424.	7.52	6.43	15.56	0.00	4.57	3.84	13.20	0.40	0.00	5.13	4.59	12.23
10	-	1.99	1312.	7.60	7.06	16.34	0.00	2.99	3.74	12.95	0.39	0.00	4.85	4.69	10.53
11	-	2.08	1415.	7.27	6.23	15.07	0.00	3.24	5.18	12.77	0.38	0.00	5.12	6.50	10.02
12	-	1.89	1254.	7.50	5.57	13.33	0.00	3.33	4.54	11.04	0.29	0.00	4.98	4.80	9.42
1981	-	2.23	1455.	7.34	7.37	17.67	0.00	3.62	4.03	14.43	0.35	0.00	5.34	4.57	12.51

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	4.32	3241.	7.87	11.78	30.87	0.00	8.09	6.98	32.34	0.75	0.00	6.13	28.51	13.52
2	-	3.31	2425.	8.10	8.24	21.48	0.00	8.73	5.39	21.90	0.58	0.00	5.79	17.23	13.51
3	-	1.76	1127.	7.69	5.14	11.90	0.00	3.86	3.46	9.83	0.31	0.00	4.35	3.36	9.67
4	-	1.86	1224.	7.26	6.22	14.35	0.00	3.88	2.94	11.49	0.33	0.00	4.60	4.40	9.46
5	-	1.87	1223.	7.30	6.06	14.09	0.00	3.52	3.46	11.33	0.41	0.00	4.68	4.14	9.87
6	-	2.05	1407.	7.45	7.25	17.00	0.00	3.20	3.91	13.68	0.45	0.00	4.99	6.65	9.60
7	-	2.22	1468.	7.71	7.45	17.22	0.00	4.40	3.29	14.62	0.30	0.00	4.40	6.33	11.86
8	-	2.21	1442.	7.42	6.65	15.95	0.00	4.51	3.90	13.64	0.26	0.00	4.91	5.27	12.08
9	-	2.30	1466.	7.54	8.10	19.06	0.00	2.99	4.08	15.24	0.47	0.00	5.22	3.90	13.64
10	-	2.10	1357.	7.66	7.14	16.66	0.00	3.14	4.05	13.53	0.28	0.00	4.83	4.55	11.60
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	2.19	1455.	7.34	7.13	17.27	0.00	4.08	3.59	13.96	0.54	0.00	5.63	4.69	11.82
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 13 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	2.72	1714.	6.81	6.06	14.20	0.00	4.73	7.38	14.92	0.57	0.00	3.36	7.75	16.57
3	-	2.37	1556.	7.06	7.79	17.88	0.00	4.08	3.94	15.60	0.50	0.00	4.15	6.89	13.11
4	-	2.32	1566.	7.40	8.12	19.31	0.00	4.93	2.60	15.75	0.45	0.00	5.30	6.26	12.20
5	-	2.06	1386.	7.71	10.34	22.06	0.03	2.77	1.85	15.73	0.38	0.00	4.65	6.24	9.84
6	-	2.36	1636.	7.89	12.20	27.18	1.06	2.98	1.81	18.87	0.44	0.00	5.85	8.09	10.11
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	2.44	1655.	8.05	9.06	21.71	0.00	4.73	2.63	17.38	0.37	0.04	5.70	6.49	12.82
9	-	2.08	1333.	7.65	6.64	15.31	0.00	3.28	4.39	12.99	0.25	0.30	3.98	5.25	11.35
10	-	2.19	1434.	7.22	6.89	16.68	0.00	4.20	3.81	13.80	0.35	0.30	5.09	4.96	11.73
11	-	2.15	1397.	7.37	6.13	14.57	0.00	4.24	4.46	12.79	0.31	0.13	4.37	5.62	11.63
12	-	1.64	1028.	7.70	5.24	11.39	0.00	3.79	2.66	9.41	0.18	0.00	3.48	3.37	9.12
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WUO1 SHEREISHRA BRIDGE YEAR : 1980 CODE : 23
MEASUREMENT POINT CODE. 23 : OPEN DRAIN : BASIC DATA. WATERLEVEL AND FLOAT MEASUREMENTS

DISCHARGE RELATION: Q=0.85*AS*VF
Q - DISCHARGE IN M**3 PER SECOND
0.85 - FACTOR
AS - WETTED CROSS SECTION IN M**2
VF - FLOAT VELOCITY IN M PER SECOND

THE WATER QUALITY DATA DURING 1980 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	1.66	2.19	1534.	7.46	8.20	20.40	0.22	3.00	4.03	15.38	0.36	0.00	7.25	5.26	10.25
4	7.29	2.16	1455.	7.61	6.97	15.58	0.00	3.31	4.82	14.05	0.26	0.00	3.55	8.86	10.04
5	9.79	2.07	1348.	7.10	5.56	13.33	0.00	3.76	5.23	11.80	0.20	0.00	4.53	5.38	11.17
6	1.70	4.35	3015.	7.07	12.05	33.66	0.00	6.36	7.57	31.80	0.60	0.00	10.07	11.23	25.05
7	13.63	2.33	1588.	7.76	8.71	20.43	0.00	4.11	3.10	16.55	0.35	0.00	5.13	7.28	11.62
8	6.09	2.16	1457.	7.67	7.50	17.85	0.00	4.08	3.30	14.40	0.35	0.00	5.33	5.69	11.08
9	9.72	2.23	1521.	7.68	6.34	15.63	0.00	6.07	3.14	13.61	0.29	0.00	5.34	6.59	11.14
10	0.00	2.34	1546.	7.70	5.76	15.25	0.00	4.70	5.50	13.00	0.40	0.00	7.60	2.90	13.20
11	1.34	3.71	2465.	7.70	13.44	31.81	0.00	3.70	5.30	28.50	0.70	0.00	5.00	13.00	20.20
12	9.20	2.67	1790.	8.08	10.10	22.83	0.00	3.09	4.42	19.58	0.34	0.00	4.22	10.50	12.70
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	2.54	2.76	1925.	8.50	9.43	22.70	0.00	3.70	5.30	20.00	0.20	0.00	5.10	12.30	11.80
2	0.90	2.40	1489.	7.60	6.25	15.03	0.00	4.80	4.80	13.70	0.40	0.00	4.50	4.20	14.90
3	3.72	2.30	1415.	7.62	6.10	14.64	0.00	4.61	4.49	13.01	0.38	0.00	4.61	3.36	14.44
4	10.61	1.69	1138.	7.70	6.41	14.33	0.00	3.17	2.73	11.01	0.24	0.00	4.39	4.76	7.98
5	14.38	1.78	1197.	7.78	7.07	15.76	0.00	2.79	3.01	12.04	0.24	0.00	4.46	5.22	8.36
6	9.23	3.21	2261.	7.62	13.48	31.06	0.00	2.92	4.45	29.89	0.38	0.00	5.01	17.59	10.95
7	1.35	3.18	2195.	7.65	11.99	28.72	0.00	3.87	4.43	24.43	0.50	0.00	5.52	13.31	14.29
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	7.86	2.63	1729.	8.02	9.07	21.90	0.00	3.59	4.53	18.27	0.37	0.00	5.56	6.37	14.77
10	9.00	2.10	1381.	7.85	7.65	17.54	0.00	3.09	3.81	14.21	0.20	0.00	4.58	5.50	11.11
11	2.24	2.20	1458.	7.68	7.65	17.56	0.00	3.35	4.17	14.83	0.20	0.00	4.34	6.82	11.29
12	5.31	2.67	1787.	7.63	9.20	21.46	0.00	4.39	4.11	18.97	0.20	0.00	4.46	9.13	13.98
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WUO1 SHEREISHRA BRIDGE YEAR : 1982 CODE : 24
THE WATER QUALITY DATA DURING 1982 ARE BASED ON 17 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	2.38	1528.	8.23	6.20	15.13	0.00	5.35	4.61	13.84	0.20	0.00	4.76	5.41	13.80
3	-	3.20	2086.	7.22	11.86	27.49	0.00	4.39	3.90	24.14	0.20	0.00	4.63	9.09	18.91
4	-	1.87	1305.	7.30	6.58	15.35	0.00	3.65	3.40	12.36	0.16	0.00	4.81	6.65	8.11
5	-	1.90	1300.	7.27	6.94	15.99	0.00	3.42	3.27	12.68	0.23	0.00	4.75	5.98	8.89
6	-	1.73	1229.	7.44	6.94	15.95	0.00	3.94	2.01	11.97	0.20	0.00	5.11	5.93	6.97
7	-	2.09	1451.	7.27	7.49	17.44	0.00	3.94	3.32	14.27	0.33	0.00	4.79	7.81	9.16
8	-	2.75	1921.	7.72	8.94	22.36	0.00	4.22	5.33	19.54	0.18	0.00	6.02	10.03	13.17
9	-	2.50	1726.	7.59	9.37	21.96	0.00	3.59	3.90	18.14	0.37	0.00	5.03	10.04	10.92
10	-	2.34	1617.	7.44	8.14	19.35	0.00	3.07	4.88	16.24	0.34	0.00	5.04	8.90	10.59
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	2.80	1868.	7.73	9.30	22.14	0.00	4.77	4.28	19.79	0.28	0.00	4.75	9.44	15.01
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	5.00	3187.	8.04	12.98	32.87	0.00	7.44	7.83	35.86	0.37	0.00	5.05	11.98	34.45
3	-	3.13	2103.	8.09	9.71	22.93	0.00	4.73	5.63	22.11	0.28	0.00	4.18	12.30	16.23
4	-	2.21	1508.	7.91	7.60	17.27	0.00	4.49	3.24	14.94	0.27	0.00	4.04	8.66	10.23
5	-	2.64	1779.	7.75	13.33	28.27	0.00	3.54	1.58	21.31	0.23	0.00	4.40	10.55	11.71
6	-	1.96	1353.	8.18	11.56	23.77	1.05	2.46	1.29	15.82	0.17	0.00	4.79	7.71	7.25
7	-	2.41	1686.	8.13	9.88	23.23	0.00	3.56	3.20	18.16	0.20	0.00	5.62	9.57	9.86
8	-	2.58	1783.	8.20	10.76	24.90	0.00	3.35	3.39	19.75	0.21	0.06	5.18	10.71	10.73
9	-	2.13	1452.	8.34	6.48	14.96	0.00	3.64	5.06	13.52	0.25	0.52	3.39	9.23	9.35
10	-	2.20	1495.	8.24	6.66	15.75	0.00	3.28	5.70	14.10	0.15	0.57	3.80	8.80	10.13
11	-	2.49	1990.	8.41	8.67	18.88	0.00	4.04	3.71	17.08	0.11	0.32	3.02	8.24	13.47
12	-	3.05	1970.	7.68	7.88	18.93	0.00	5.03	6.89	19.23	0.23	0.03	4.03	9.26	18.18
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION . WU02 SHEREISHRA PS YEAR : 1980 CODE : 11
MEASUREMENT POINT CODE: 11 : PUMP STATION : BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	7.900	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	0.000	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		7.900	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		1.550	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1980 ARE BASED ON 22 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	37.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	26.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	38.51	3.23	2121.	7.49	11.67	28.34	0.00	4.07	4.50	24.15	0.33	0.00	5.79	7.93	19.31
4	40.41	3.08	1955.	7.67	9.77	22.59	0.00	4.22	5.30	21.31	0.30	0.00	3.98	7.98	19.17
5	38.39	2.41	1566.	7.10	6.80	16.52	0.00	4.40	4.98	14.72	0.35	0.00	4.93	5.84	13.67
6	38.51	2.68	1747.	7.74	8.19	19.19	0.00	4.30	5.03	17.69	0.38	0.00	4.18	8.05	15.15
7	33.79	3.26	2242.	7.77	9.98	25.66	0.00	5.95	4.94	23.28	0.29	0.00	6.62	10.27	17.48
8	44.68	3.11	2135.	7.66	9.83	24.67	0.00	4.67	5.58	22.24	0.38	0.00	5.96	10.51	16.38
9	53.01	2.75	1936.	7.49	8.52	21.31	0.00	4.65	5.11	18.83	0.70	0.00	5.85	10.56	12.89
10	52.61	2.58	1736.	7.78	6.05	16.14	0.00	4.75	6.97	14.65	0.40	0.00	7.24	5.84	13.60
11	39.53	4.11	2861.	7.93	11.09	29.29	0.00	5.30	9.06	29.70	0.41	0.00	6.60	16.03	21.86
12	45.79	3.89	2750.	8.28	13.31	32.62	0.00	4.35	6.14	30.49	0.50	0.00	5.41	20.70	15.36
1980	488.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	36.86	3.97	2880.	7.90	13.68	36.47	0.00	4.66	5.89	31.88	0.40	0.00	8.37	18.69	15.78
2	19.37	4.28	2789.	7.53	9.39	24.13	0.00	7.65	9.32	27.36	0.55	0.00	4.84	12.74	27.25
3	37.17	2.43	1551.	7.59	7.57	17.56	0.00	4.15	4.14	15.41	0.63	0.00	4.25	5.60	14.42
4	33.82	3.45	2400.	7.72	11.48	28.03	0.00	5.49	4.61	25.81	0.53	0.00	5.27	15.28	15.95
5	34.55	2.92	2010.	7.80	10.79	25.56	0.00	3.51	4.73	21.90	0.36	0.00	5.11	12.17	13.22
6	33.59	3.90	2716.	7.66	13.26	32.76	0.00	3.90	6.54	30.29	0.59	0.00	5.69	18.45	17.10
7	39.47	3.57	2187.	7.79	9.06	23.34	0.00	6.79	5.56	22.52	0.35	0.00	5.99	4.35	24.80
8	36.89	3.51	2239.	7.70	9.89	25.46	0.00	5.44	5.92	23.58	0.44	0.00	6.43	6.34	22.65
9	52.02	2.66	1782.	7.89	8.24	20.11	0.00	5.32	3.82	17.63	0.58	0.00	5.29	7.55	14.56
10	57.28	2.50	1703.	7.85	8.79	20.68	0.00	4.10	3.94	17.61	0.32	0.00	4.83	9.01	12.12
11	45.05	2.68	1850.	7.54	8.88	21.43	0.00	4.45	4.53	18.81	0.36	0.00	5.11	10.47	12.56
12	42.77	2.51	1693.	7.32	8.00	19.02	0.00	4.88	4.08	16.93	0.21	0.00	4.63	8.36	13.11
1981	468.83	3.05	2079.	7.66	9.77	24.06	0.00	4.91	4.97	21.72	0.43	0.00	5.46	10.33	16.23

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	50.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	26.56	2.87	1857.	8.26	7.31	18.92	0.00	7.62	3.73	17.41	0.30	0.00	5.54	6.05	17.47
3	34.33	3.50	2284.	7.92	12.30	29.18	0.00	5.11	4.08	26.37	0.29	0.00	4.89	9.55	21.39
4	41.47	2.33	1588.	7.33	8.21	19.11	0.00	4.40	3.34	16.15	0.30	0.00	4.62	8.08	11.46
5	44.91	2.24	1508.	7.32	7.32	17.19	0.00	4.80	3.30	14.73	0.25	0.00	4.60	7.07	11.40
6	49.29	2.73	1871.	7.68	9.30	21.78	0.00	4.40	4.34	19.46	0.30	0.00	4.46	11.70	12.35
7	19.85	4.47	3208.	7.34	12.65	34.14	0.00	9.25	5.05	33.81	0.52	0.00	7.84	19.16	21.43
8	48.32	2.90	1976.	7.38	8.80	21.71	0.00	4.46	3.86	19.99	0.28	0.00	5.25	10.26	15.05
9	66.38	2.56	1739.	7.73	8.69	20.33	0.00	3.94	4.48	17.84	0.39	0.00	4.50	9.85	12.23
10	62.06	2.35	1621.	7.90	8.05	18.83	0.00	3.71	4.33	16.13	0.37	0.00	4.61	9.47	10.54
11	49.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	52.84	2.41	1622.	7.53	8.41	19.47	0.00	4.78	3.06	16.64	0.39	0.00	4.48	7.80	12.53
1982	546.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	51.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	22.24	4.74	3068.	7.95	9.86	26.44	0.00	6.71	12.14	30.28	0.51	0.00	5.94	12.77	30.92
3	35.38	3.09	2098.	8.11	9.15	22.05	0.00	4.99	5.92	21.36	0.31	0.00	4.46	12.34	15.79
4	37.17	2.80	1925.	8.04	9.66	22.54	0.00	5.74	2.98	20.17	0.35	0.00	4.43	11.84	12.93
5	42.01	2.68	1817.	6.57	11.47	25.12	0.00	4.03	2.41	20.58	0.39	0.00	4.15	11.52	11.64
6	45.11	2.79	1915.	6.07	10.27	23.59	0.00	4.30	3.65	20.48	0.51	0.00	4.41	12.45	12.08
7	48.60	3.24	2239.	7.93	12.43	29.54	0.00	4.14	4.10	25.23	0.36	0.00	5.35	14.12	14.34
8	47.78	3.37	2351.	8.40	11.45	28.14	0.00	4.38	5.51	25.46	0.35	0.05	5.51	15.30	14.85
9	58.42	2.72	1892.	8.41	8.74	21.02	0.00	4.67	4.83	19.06	0.25	0.23	4.57	12.33	11.69
10	57.34	2.59	1790.	8.39	8.68	20.29	0.00	4.17	4.69	18.26	0.15	0.08	4.26	11.84	11.09
11	46.04	2.71	1829.	8.52	7.43	17.27	0.00	4.31	6.67	17.41	0.29	0.12	3.43	11.70	13.43
12	49.88	2.61	1717.	7.84	7.91	17.65	0.00	3.87	5.73	17.32	0.15	0.03	3.18	10.05	13.78
1983	541.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WU03 TRUGA PS YEAR : 1980 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	10.830	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	-1.370	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		7.405	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		2.500	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1980 ARE BASED ON 22 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	32.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	25.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	40.08	4.36	3008.	7.60	14.12	36.03	0.00	5.12	6.54	34.10	0.50	0.00	6.45	17.54	22.22
4	35.78	3.91	2620.	7.63	15.47	35.84	0.00	4.37	3.90	31.46	0.47	0.00	4.88	15.66	19.60
5	37.02	4.27	2754.	7.16	10.93	27.64	0.00	6.41	7.82	29.17	0.70	0.00	5.05	11.24	27.82
6	37.62	3.07	1935.	7.57	7.86	18.83	0.00	5.64	5.98	18.96	0.46	0.00	4.03	7.59	19.36
7	37.67	4.02	2732.	7.68	11.38	29.31	0.00	5.99	7.10	29.11	0.51	0.00	6.03	13.49	23.19
8	45.42	3.20	2182.	7.71	9.79	24.49	0.00	4.81	5.84	22.59	0.50	0.00	5.66	10.82	17.26
9	48.77	3.11	2141.	7.61	6.68	17.39	0.00	9.12	5.28	17.91	0.82	0.00	5.51	10.92	16.66
10	51.66	3.13	2096.	7.68	7.59	20.18	0.00	6.22	6.74	19.31	0.36	0.00	6.88	7.98	17.74
11	40.72	4.52	3213.	7.70	13.27	34.46	0.00	7.11	6.51	34.61	0.65	0.00	6.39	22.09	20.35
12	43.69	5.02	3473.	7.56	13.12	33.43	0.00	8.11	8.20	37.46	0.45	0.00	5.04	22.51	26.68
1980	477.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	41.26	4.79	3336.	7.70	13.25	36.02	0.00	5.97	9.07	36.33	0.39	0.00	8.02	17.31	26.43
2	23.94	4.73	3062.	7.16	10.39	27.21	0.00	9.41	8.22	30.85	0.73	0.00	5.39	12.35	31.46
3	40.52	3.55	2295.	7.45	9.75	23.61	0.00	5.67	6.46	24.01	0.43	0.00	4.31	10.15	22.12
4	39.43	4.35	2962.	7.50	12.87	31.93	0.00	4.13	8.77	32.68	0.60	0.00	5.00	18.59	22.59
5	36.70	4.62	3199.	7.92	14.23	35.81	0.00	5.82	6.85	35.82	0.73	0.00	5.61	20.70	22.91
6	39.70	4.21	2882.	7.33	13.65	33.17	0.00	5.02	6.33	32.53	0.52	0.00	4.90	18.90	20.61
7	40.08	4.41	2761.	7.43	11.80	30.28	0.00	5.85	7.69	30.69	0.33	0.00	5.81	8.39	30.36
8	45.85	3.68	2247.	7.57	9.68	24.72	0.00	4.68	7.23	23.63	0.72	0.00	5.89	4.63	29.75
9	48.73	3.31	2149.	7.77	8.41	21.27	0.00	5.57	6.93	21.01	0.55	0.00	5.28	8.60	20.14
10	51.09	3.14	1995.	8.11	8.64	20.92	0.00	9.18	5.78	20.22	0.58	0.00	4.51	7.41	19.82
11	37.00	3.40	2228.	7.65	9.39	23.08	0.00	6.53	5.22	22.75	0.61	0.00	4.76	9.72	20.63
12	36.61	4.14	2774.	7.78	11.17	27.87	0.00	7.30	6.63	29.49	0.42	0.00	4.76	14.17	24.91
1981	480.93	3.92	2613.	7.55	11.01	27.76	0.00	5.76	7.05	27.86	0.55	0.00	5.35	12.25	23.61

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	40.00	4.06	2703.	8.11	10.60	26.61	0.00	9.09	5.15	28.30	0.17	0.00	4.82	13.09	24.83
2	23.31	4.85	3156.	8.31	10.65	28.31	0.00	10.07	8.06	32.07	0.41	0.00	5.84	12.69	32.09
3	36.94	3.72	2461.	8.64	10.80	25.85	0.00	5.82	6.15	26.41	0.50	0.00	4.17	12.68	22.02
4	37.40	3.98	2699.	7.58	11.54	28.56	0.00	5.91	6.65	28.93	0.61	0.00	4.90	15.47	21.72
5	38.41	3.64	2498.	7.40	10.87	26.53	0.00	5.95	5.79	26.35	0.48	0.00	4.68	15.74	18.15
6	37.52	3.72	2591.	7.40	12.45	30.50	0.00	6.04	4.38	28.43	0.48	0.00	5.34	17.07	16.91
7	47.06	3.54	2389.	7.48	11.08	26.66	0.00	5.03	5.83	25.83	0.40	0.00	4.59	14.00	18.51
8	49.75	3.87	2673.	7.39	10.58	26.92	0.00	4.88	8.64	27.50	0.57	0.00	5.40	16.27	19.91
9	53.52	3.70	2507.	7.58	10.64	26.43	0.00	5.10	7.11	26.29	0.62	0.00	5.03	13.95	20.13
10	51.52	3.09	1974.	7.66	7.34	18.20	0.00	5.31	7.31	18.44	0.49	0.00	4.56	8.09	18.90
11	45.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	42.88	3.82	2508.	7.95	10.32	25.31	0.00	7.25	5.59	26.15	0.72	0.00	4.49	11.47	23.75
1982	503.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	40.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	23.31	6.26	4041.	7.85	15.32	41.36	0.00	8.76	9.50	46.30	0.61	0.00	6.92	14.01	44.25
3	36.94	3.77	2532.	7.69	10.30	24.35	0.00	5.73	7.29	26.27	0.55	0.00	3.67	15.72	20.46
4	37.40	2.84	1885.	7.74	9.85	22.34	0.00	5.70	2.81	20.33	0.31	0.00	3.91	10.03	15.16
5	46.35	3.90	2565.	8.04	18.79	40.05	0.00	3.71	2.30	32.56	0.69	0.00	4.29	14.96	19.98
6	45.70	4.08	2790.	8.38	16.32	37.80	0.00	4.18	4.00	33.01	1.06	0.00	4.97	18.86	18.35
7	53.28	4.41	3056.	7.92	13.87	34.41	0.00	5.81	6.44	34.32	0.39	0.00	5.27	20.83	20.78
8	61.06	4.35	3006.	7.86	14.60	35.79	0.00	5.54	5.70	34.62	0.18	0.07	5.20	20.68	20.08
9	66.35	2.97	2071.	8.24	8.61	20.94	0.00	6.13	5.06	20.36	0.25	0.50	4.05	14.40	12.86
10	58.92	3.48	2397.	8.32	10.07	24.69	0.00	5.90	6.30	24.88	0.16	0.60	4.03	16.09	16.60
11	55.09	3.15	2079.	8.53	8.62	19.84	0.00	6.10	5.70	20.93	0.28	0.33	2.98	11.77	18.03
12	49.07	3.29	2071.	7.91	7.97	18.10	0.00	6.16	6.94	20.39	0.16	0.04	2.84	10.09	20.60
1983	575.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WU04 DUSHUDI BRIDGE YEAR : 1980 CODE : 23
MEASUREMENT POINT CODE: 23 / OPEN DRAIN / BASIC DATA: WATERLEVEL AND FLOAT MEASUREMENTS

DISCHARGE RELATION: G=0.85*AS*VF
G - DISCHARGE IN M**3 PER SECOND
0.85 - FACTOR
AS - WETTED CROSS SECTION IN M**2
VF - FLOAT VELOCITY IN M PER SECOND

THE WATER QUALITY DATA DURING 1980 ARE BASED ON 15 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	73.42	3.51	2273.	7.64	12.91	28.43	0.00	3.33	5.23	26.71	0.44	0.00	3.55	12.49	19.63
5	69.59	3.47	2137.	7.27	9.67	23.64	0.00	6.12	5.01	22.80	0.42	0.00	4.82	5.74	23.81
6	71.38	3.24	2129.	7.24	9.79	23.32	0.00	5.74	4.31	22.16	0.95	0.00	4.42	9.47	19.46
7	60.95	3.81	2388.	7.64	11.53	28.97	0.00	5.54	5.81	27.48	1.19	0.00	5.73	13.06	21.23
8	64.92	3.35	2239.	7.55	11.60	28.28	0.00	4.07	5.26	25.06	0.40	0.00	5.55	10.35	18.84
9	83.31	3.10	2113.	7.60	10.76	26.25	0.00	5.48	3.57	22.88	0.41	0.00	5.63	10.45	16.18
10	67.52	3.11	2093.	7.74	8.56	22.46	0.00	5.82	5.67	20.52	0.31	0.00	7.00	7.92	17.41
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WU04 DUSHUDI BRIDGE YEAR : 1981 CODE : 24
THE WATER QUALITY DATA DURING 1981 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	4.95	3499.	7.44	14.94	39.90	0.00	6.52	6.85	38.63	1.26	0.00	7.95	20.67	24.57
2	-	4.93	3173.	7.38	10.52	27.42	0.00	9.40	9.22	32.09	0.64	0.00	5.09	13.00	33.18
3	-	3.31	2077.	7.50	8.56	20.97	0.00	5.57	6.43	20.96	0.43	0.00	4.54	7.35	21.42
4	-	4.01	2723.	7.84	13.34	32.12	0.00	4.71	5.95	30.79	0.55	0.00	4.85	17.14	20.00
5	-	4.20	2847.	8.01	17.34	40.28	0.00	4.88	3.15	34.75	0.52	0.00	5.20	17.95	20.16
6	-	4.57	3091.	7.54	15.88	38.27	0.00	5.56	5.05	36.58	0.52	0.00	5.08	18.90	23.72
7	-	3.99	2588.	7.61	10.91	27.47	0.00	5.79	7.24	27.87	0.36	0.00	5.23	10.77	25.21
8	-	3.75	2385.	7.72	11.33	27.93	0.00	4.62	6.28	26.44	0.64	0.00	5.28	8.26	24.43
9	-	3.43	2301.	7.73	10.71	26.47	0.00	4.05	4.66	24.78	0.45	0.00	5.36	11.24	19.35
10	-	3.31	2260.	7.85	10.89	26.14	0.00	5.54	4.43	24.31	0.41	0.00	4.80	13.47	16.42
11	-	3.18	2154.	7.73	8.63	21.28	0.00	6.86	5.13	21.13	0.45	0.00	4.71	11.41	17.39
12	-	3.57	2390.	7.69	9.89	24.35	0.00	7.14	5.32	24.69	0.38	0.00	4.65	12.15	20.69
1981	-	3.90	2620.	7.64	11.75	29.17	0.00	5.87	5.95	28.56	0.55	0.00	5.23	13.52	22.14

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	3.70	2483.	7.50	10.09	25.25	0.00	6.25	6.52	25.50	0.69	0.00	5.04	12.30	21.67
2	-	3.41	2177.	7.84	9.06	22.67	0.00	6.17	5.78	22.14	0.54	0.00	5.17	7.66	21.76
3	-	2.76	1748.	8.11	7.47	18.26	0.00	4.57	5.75	16.98	0.45	0.00	4.82	5.89	17.00
4	-	4.31	2855.	7.58	12.42	31.29	0.00	5.10	7.89	31.65	0.59	0.00	5.40	13.30	26.49
5	-	3.59	2336.	7.47	10.71	26.12	0.00	5.18	5.99	25.32	0.51	0.00	4.82	9.99	22.15
6	-	3.18	2186.	7.74	10.56	25.40	0.00	5.62	4.05	23.22	0.50	0.00	4.92	13.16	15.21
7	-	3.21	2217.	7.83	10.63	25.66	0.00	5.28	4.58	23.61	0.35	0.00	4.95	13.93	14.92
8	-	3.08	2058.	7.24	7.53	19.10	0.00	5.61	7.25	19.09	0.35	0.00	5.16	10.00	17.21
9	-	3.05	2078.	7.71	9.63	23.92	0.00	3.95	6.14	21.63	0.41	0.00	5.63	10.38	16.08
10	-	2.81	1914.	7.64	9.14	21.80	0.00	4.14	5.19	19.74	0.35	0.00	4.69	10.87	13.90
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	3.27	2148.	7.74	10.24	24.24	0.00	5.22	4.93	23.06	0.56	0.00	4.35	10.08	19.26
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 12 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	5.31	3404.	7.77	12.43	31.98	0.00	8.71	8.92	36.92	0.57	0.00	5.01	13.55	36.56
3	-	4.15	2764.	7.86	11.61	28.45	0.00	6.27	7.00	29.90	0.49	0.00	4.50	14.70	24.47
4	-	3.63	2412.	7.75	12.20	28.79	0.00	6.28	3.70	27.25	0.29	0.00	4.47	12.75	20.29
5	-	3.06	2006.	8.07	12.30	27.74	0.00	4.51	2.74	23.42	0.34	0.00	4.45	9.45	17.10
6	-	3.42	2314.	8.47	15.07	33.93	0.00	3.61	3.21	27.84	0.40	0.00	4.84	14.64	15.52
7	-	3.62	2489.	8.09	12.24	29.66	0.00	4.66	5.52	27.60	0.36	0.00	5.10	15.85	17.16
8	-	3.77	2571.	8.06	12.99	31.01	0.00	4.70	5.40	29.20	0.26	0.10	4.68	16.85	17.88
9	-	3.04	2116.	8.12	10.11	23.49	0.00	4.34	5.31	22.20	0.40	0.61	3.46	16.65	11.57
10	-	2.19	1495.	7.71	7.15	16.54	0.00	3.50	4.63	14.41	0.40	0.20	4.02	8.71	9.96
11	-	2.59	1671.	7.83	7.60	17.29	0.00	4.21	5.40	16.66	0.22	0.12	3.37	8.30	14.72
12	-	3.05	1995.	8.29	10.16	22.41	0.00	4.88	4.32	21.79	0.30	0.03	3.23	11.20	16.84
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WU05 DUSHUDI PS YEAR : 1980 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	10.320	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	-2.010	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		5.737	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		2.280	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1980 ARE BASED ON 23 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	15.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	16.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	22.91	8.04	5241.	7.21	23.10	59.97	0.00	5.82	10.95	66.88	0.64	0.00	6.28	22.50	55.51
4	23.87	4.86	3029.	7.30	17.29	39.19	0.00	4.36	5.92	38.42	0.54	0.00	3.94	11.06	33.87
5	25.96	5.50	3214.	7.09	12.58	31.82	0.00	6.50	10.23	36.38	0.67	0.00	4.70	5.67	43.41
6	26.69	4.95	3118.	7.48	11.70	29.86	0.00	6.58	9.50	33.16	1.49	0.00	4.13	11.83	34.73
7	30.38	4.74	3005.	7.54	12.27	31.70	0.00	5.96	8.70	33.22	0.62	0.00	5.77	10.16	32.54
8	31.35	4.60	3035.	7.48	12.65	32.17	0.00	6.34	7.70	33.51	0.70	0.00	5.45	13.44	29.33
9	33.97	4.34	2812.	7.40	12.03	28.99	0.00	7.50	5.75	30.96	0.69	0.00	4.13	12.44	28.36
10	31.06	3.58	2301.	7.47	9.09	23.99	0.00	6.07	6.77	23.03	0.52	0.00	6.81	6.64	22.95
11	26.90	6.58	4551.	7.51	17.68	45.63	0.00	7.26	10.60	52.85	0.48	0.00	5.45	30.42	35.32
12	22.08	9.14	6119.	7.30	18.13	48.30	0.00	10.08	19.51	69.74	0.76	0.00	4.94	29.81	65.34
1980	307.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	19.05	11.74	8206.	7.45	25.95	73.08	0.00	8.99	20.36	99.40	1.38	0.00	7.75	50.27	72.11
2	13.84	12.17	8048.	7.20	20.18	54.00	0.00	19.52	21.25	91.13	1.12	0.00	4.39	34.63	94.01
3	22.63	5.47	3567.	7.03	13.18	32.58	0.00	6.57	11.25	39.34	0.67	0.00	4.02	17.29	36.52
4	21.99	6.28	4135.	7.50	16.20	40.64	0.00	6.24	11.44	48.16	0.68	0.00	4.57	21.03	40.92
5	24.23	5.72	3810.	7.70	16.42	40.38	0.00	4.97	9.86	44.70	0.83	0.00	4.57	21.94	33.86
6	26.16	6.79	4537.	7.41	17.59	45.10	0.00	5.76	12.58	53.24	0.90	0.00	5.16	24.69	42.63
7	35.40	5.02	2946.	7.40	11.40	29.42	0.00	7.28	8.96	32.49	0.31	0.00	5.29	4.74	39.02
8	34.45	4.13	2446.	7.50	9.93	25.76	0.00	5.00	8.57	25.88	0.72	0.00	5.96	3.38	30.84
9	35.94	3.35	2112.	7.79	8.32	20.93	0.00	5.60	6.90	20.79	0.53	0.00	5.10	7.15	21.54
10	34.59	4.00	2636.	7.95	12.26	29.55	0.00	4.96	6.60	29.47	0.59	0.00	4.53	13.20	23.87
11	27.62	5.19	3202.	7.48	11.81	30.04	0.00	7.38	9.82	34.64	0.75	0.00	4.71	10.08	37.79
12	25.69	5.49	3349.	7.43	12.09	30.53	0.00	7.76	10.60	36.63	0.48	0.00	4.37	10.20	40.86
1981	321.98	5.67	3671.	7.46	14.01	35.88	0.00	6.86	10.54	41.32	0.70	0.00	5.04	15.97	38.79

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	27.40	4.61	2669.	7.88	9.57	24.11	0.00	10.19	6.55	27.69	0.17	0.00	4.37	4.05	36.17
2	11.89	9.20	5185.	8.04	14.33	40.20	0.00	14.45	17.41	57.19	0.40	0.00	6.31	2.08	80.99
3	17.13	5.88	3498.	7.96	15.13	36.88	0.00	5.87	9.72	42.25	0.45	0.00	4.14	8.40	45.68
4	24.35	4.96	3141.	7.48	13.25	32.49	0.00	5.01	9.57	35.77	0.70	0.00	4.35	12.47	34.18
5	24.14	4.15	2558.	7.29	11.33	27.44	0.00	4.89	7.73	28.46	0.60	0.00	4.33	8.43	28.82
6	26.62	5.20	3442.	7.63	13.62	34.46	0.00	6.49	9.42	38.40	0.74	0.00	4.95	16.66	33.43
7	27.45	5.42	3575.	7.69	14.29	36.09	0.00	7.02	9.09	40.55	0.57	0.00	4.90	17.19	35.17
8	29.12	5.55	3613.	7.41	13.80	35.98	0.00	5.72	11.46	40.45	0.78	0.00	5.26	15.71	37.38
9	33.57	4.09	2628.	7.56	11.42	28.09	0.00	5.03	7.66	28.77	0.64	0.00	4.70	10.91	26.47
10	30.37	4.64	2986.	7.47	10.60	26.65	0.00	5.47	11.58	30.94	0.52	0.00	4.36	13.80	30.35
11	18.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	16.71	5.29	3318.	7.41	13.69	34.12	0.00	6.42	8.87	37.84	0.89	0.00	4.66	11.71	37.57
1982	287.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 13 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	18.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	13.87	8.99	5072.	7.54	18.18	46.34	0.00	9.10	14.44	62.37	1.10	0.00	4.33	3.53	79.16
3	17.48	5.24	3304.	7.78	14.33	34.21	0.00	5.28	9.25	38.62	0.68	0.00	3.83	13.22	36.78
4	18.14	6.70	4180.	7.65	19.23	43.71	0.00	5.13	9.95	52.79	0.84	0.00	3.12	15.65	49.94
5	20.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	23.95	5.73	3710.	8.54	18.29	43.09	0.00	8.03	4.60	45.95	0.51	0.00	4.12	17.51	37.41
7	26.34	5.60	3727.	8.09	15.75	39.67	0.00	4.78	10.47	43.49	0.53	0.00	5.09	20.46	33.63
8	28.06	5.09	3396.	8.12	14.89	37.09	0.00	4.23	9.86	39.53	0.22	0.08	4.89	19.57	29.19
9	34.87	3.56	2393.	8.37	9.90	23.63	0.00	6.97	5.59	24.81	0.31	0.50	3.41	14.89	18.80
10	30.14	4.65	3063.	8.23	12.00	29.82	0.00	6.97	8.51	33.39	0.39	0.60	3.82	15.84	28.97
11	20.66	5.97	3920.	8.33	14.24	34.93	0.00	6.50	12.60	44.00	0.39	0.40	3.36	20.94	38.97
12	23.96	5.30	3270.	8.12	12.00	27.28	0.00	5.41	12.62	36.05	0.40	0.03	2.59	13.72	38.09
1983	277.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WU06 HARES PS YEAR : 1980 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	11.440	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	-1.730	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		6.250	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		3.000	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1980 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	30.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	19.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	31.12	21.28	14320.	7.82	39.27	108.18	0.00	15.20	30.34	187.40	2.06	0.00	5.80	62.46	166.81
4	24.58	21.53	13590.	7.44	34.73	93.75	0.00	16.63	35.14	176.71	1.42	0.00	4.64	35.78	189.52
5	22.45	19.89	11724.	7.01	28.35	77.14	0.00	15.56	38.00	146.72	2.56	0.00	4.58	14.13	184.09
6	22.15	17.88	10769.	7.42	27.57	72.03	0.00	15.49	32.12	134.52	2.34	0.00	3.78	20.12	160.58
7	23.03	21.02	13013.	7.27	34.85	95.17	0.00	15.49	32.40	170.54	2.31	0.00	5.19	27.63	187.93
8	26.52	18.98	12387.	7.07	35.58	95.16	0.00	14.39	27.60	163.02	1.28	0.00	4.89	42.61	158.77
9	31.78	15.24	9641.	7.09	25.58	68.92	0.00	14.35	28.17	117.95	1.63	0.00	4.71	29.74	127.65
10	38.99	14.80	9229.	7.55	23.61	67.74	0.00	16.21	27.22	110.02	1.89	0.00	6.91	23.14	125.31
11	37.07	17.04	11704.	7.61	31.77	87.05	0.00	15.13	26.44	144.85	3.13	0.00	5.56	61.48	122.46
12	36.44	20.01	13744.	7.28	37.68	99.21	0.00	18.46	25.45	176.59	2.17	0.00	4.41	73.37	144.86
1980	343.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	34.64	23.52	16767.	7.38	41.74	118.71	0.00	18.16	34.21	213.59	2.36	0.00	6.79	103.83	157.79
2	21.32	23.63	16866.	7.56	34.02	92.06	0.00	29.58	40.51	201.37	2.72	0.00	4.09	97.84	172.24
3	29.11	17.56	11721.	7.39	29.24	77.31	0.00	15.55	33.08	144.19	1.98	0.00	4.06	48.70	142.04
4	31.95	17.16	11965.	7.59	32.52	82.68	0.00	13.27	28.61	148.83	1.86	0.00	3.58	75.23	113.76
5	25.99	17.89	12067.	7.54	29.76	80.01	0.00	14.71	34.70	147.94	2.22	0.00	4.47	54.26	140.78
6	26.69	17.84	12371.	7.34	32.17	84.27	0.00	14.44	30.85	153.10	2.07	0.00	4.07	71.87	124.51
7	27.10	21.19	13298.	7.46	32.24	88.40	0.00	22.23	32.53	168.69	1.72	0.00	4.90	32.78	187.48
8	26.85	20.06	12930.	7.50	36.90	101.96	0.00	12.23	29.23	168.01	1.80	0.00	6.12	28.60	176.52
9	30.34	16.75	10724.	7.74	29.47	80.02	0.00	15.44	26.48	134.92	2.36	0.00	5.15	33.23	140.90
10	40.17	16.51	11019.	8.06	33.81	87.79	0.00	13.13	22.28	142.29	2.18	0.00	4.42	51.46	123.95
11	38.48	14.17	9189.	7.78	25.23	66.39	0.00	14.85	24.25	111.58	2.14	0.00	4.25	33.78	114.84
12	36.01	15.34	10190.	7.72	28.05	72.32	0.00	15.39	24.92	125.94	1.99	0.00	3.81	43.83	120.55
1981	368.65	18.08	12188.	7.57	31.99	85.74	0.00	16.16	29.42	152.71	2.11	0.00	4.64	55.45	140.30

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	39.38	8.87	5469.	7.33	15.81	40.38	0.00	17.91	10.93	60.02	2.10	0.00	3.82	15.59	71.55
2	26.61	14.00	8367.	7.51	21.18	56.89	0.00	22.57	19.73	97.39	2.65	0.00	4.46	13.99	123.89
3	29.83	18.15	11802.	7.12	31.78	83.09	0.00	16.63	27.84	149.85	2.53	0.00	4.05	40.65	152.15
4	31.56	16.61	11289.	7.43	31.90	82.02	0.00	12.43	27.19	141.97	2.14	0.00	3.90	60.20	119.59
5	34.51	13.50	8657.	7.38	24.68	65.94	0.00	13.24	23.40	105.64	1.93	0.00	4.79	29.73	109.69
6	34.62	14.20	9680.	7.69	28.57	75.30	0.00	13.42	21.57	119.52	1.92	0.00	4.67	52.94	98.83
7	35.07	15.08	10324.	8.11	29.58	78.61	0.00	14.66	22.90	128.17	1.29	0.00	4.77	57.06	105.18
8	35.63	14.81	10023.	7.77	26.87	71.06	0.00	11.93	28.91	121.41	2.03	0.00	4.35	50.48	109.40
9	43.29	13.39	8924.	7.71	27.79	73.89	0.00	12.50	19.75	111.59	1.70	0.00	5.12	41.13	99.27
10	40.39	13.04	8725.	7.49	24.52	64.55	0.00	14.71	22.11	105.21	1.21	0.00	4.37	40.72	98.12
11	44.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	41.38	15.69	9474.	7.32	27.00	69.46	0.00	14.49	24.74	119.56	2.36	0.00	3.79	18.73	138.70
1982	436.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 13 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	24.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	36.82	17.93	10668.	7.57	27.80	72.19	0.00	28.57	17.29	133.10	2.94	0.00	3.73	13.70	164.48
3	36.32	17.70	11750.	7.33	31.00	79.74	0.00	17.43	27.69	147.25	2.33	0.00	3.64	47.63	143.43
4	29.95	18.13	12226.	7.70	33.75	85.94	0.00	17.65	24.76	155.43	2.16	0.00	3.62	58.71	137.67
5	40.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	38.06	14.26	9783.	8.20	36.98	90.96	0.00	10.51	13.98	129.39	1.07	0.00	4.07	63.29	87.58
7	40.93	15.62	10830.	8.12	30.13	79.19	0.00	12.51	26.72	133.41	1.84	0.00	4.39	69.57	104.51
8	32.84	14.10	9670.	8.12	26.82	71.54	0.00	14.11	23.83	116.81	1.85	0.10	4.66	53.72	98.13
9	31.91	12.08	8252.	8.19	21.19	54.45	0.00	13.94	25.64	94.29	1.31	0.76	2.79	46.73	84.89
10	36.34	12.65	8607.	7.90	22.20	58.11	0.00	12.95	27.42	99.76	1.19	0.63	3.32	46.66	90.73
11	30.65	14.01	9430.	7.73	24.34	61.62	0.00	14.05	28.38	112.08	1.27	0.35	2.92	46.77	105.73
12	47.33	10.78	6684.	8.17	19.17	46.12	0.00	13.47	20.06	78.47	0.73	0.02	2.66	22.28	87.70
1983	426.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WU07 ABIES PS YEAR : 1980 CODE : 13
THE WATER QUALITY DATA DURING 1980 ARE BASED ON 21 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	11.14	7399.	7.52	26.32	70.70	0.00	8.36	16.60	92.98	1.39	0.00	6.24	32.79	80.31
4	-	10.09	6546.	7.60	19.07	49.60	0.00	10.62	20.91	75.72	1.19	0.00	4.18	27.35	76.92
5	-	7.53	4420.	7.07	12.84	34.55	0.00	9.46	17.68	47.28	0.75	0.00	5.16	8.43	61.55
6	-	4.76	2937.	7.66	7.59	20.19	0.00	8.25	13.99	25.32	1.13	0.00	4.89	10.05	33.71
7	-	5.73	3767.	7.26	15.98	41.93	0.00	8.52	6.52	43.82	1.02	0.00	6.63	14.39	38.83
8	-	4.11	2756.	7.50	11.32	28.83	0.00	6.69	6.55	29.13	0.91	0.00	5.58	12.81	24.89
9	-	5.69	3732.	7.52	10.82	29.30	0.00	9.84	12.92	36.48	1.15	0.00	5.75	16.46	38.20
10	-	7.38	4802.	7.43	12.42	35.47	0.00	12.27	17.34	47.78	1.18	0.00	7.23	18.60	52.70
11	-	13.59	9701.	7.62	23.76	67.42	0.00	21.29	21.61	110.05	1.83	0.00	6.45	60.60	87.77
12	-	17.42	12289.	7.59	24.60	70.52	0.00	14.22	47.45	136.60	3.59	0.00	5.82	67.70	128.24
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 17 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	19.25	13788.	7.45	31.92	94.23	0.00	12.93	40.75	165.35	2.58	0.00	8.18	85.42	127.98
2	-	24.00	16577.	7.39	45.11	118.04	0.00	28.32	18.16	217.45	3.36	0.00	4.33	86.10	176.84
3	-	14.00	9109.	7.32	28.75	74.25	0.00	9.94	22.84	116.41	1.57	0.00	4.29	35.72	110.67
4	-	12.05	8215.	7.71	22.15	60.69	0.00	9.37	27.95	95.67	1.22	0.00	5.43	43.64	85.13
5	-	6.53	4459.	7.78	13.53	36.16	0.00	6.24	17.71	46.81	1.05	0.00	5.35	25.55	40.91
6	-	6.54	4566.	7.15	14.25	38.38	0.00	8.84	14.29	48.48	0.68	0.00	5.78	29.14	37.37
7	-	5.70	3933.	7.31	8.66	23.91	0.00	12.28	14.26	31.55	0.59	0.00	5.73	11.35	41.51
8	-	6.97	4616.	7.51	13.81	37.94	0.00	11.59	13.32	48.72	1.10	0.00	6.28	20.24	48.13
9	-	5.76	3830.	7.84	11.50	31.07	0.00	10.28	12.17	38.53	0.79	0.00	5.77	17.97	37.97
10	-	5.21	3617.	7.86	12.03	31.42	0.00	8.33	10.53	36.93	1.08	0.00	5.23	22.56	29.05
11	-	7.28	5046.	7.75	14.58	39.19	0.00	11.69	14.64	52.89	1.37	0.00	5.33	29.69	45.56
12	-	7.87	4951.	7.71	14.32	38.25	0.00	10.53	17.07	53.19	1.38	0.00	4.98	17.47	59.69
1981	-	8.74	5917.	7.50	17.64	47.81	0.00	10.72	17.58	66.36	1.21	0.00	5.60	30.11	60.12

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	4.55	2927.	7.90	8.27	21.44	0.00	7.15	12.68	26.03	1.69	0.00	4.55	12.83	30.25
2	-	17.15	10122.	7.93	21.16	60.80	0.00	25.17	32.40	113.52	3.32	0.00	5.92	11.95	156.67
3	-	15.42	9513.	7.69	24.94	63.91	0.00	15.26	27.86	115.82	2.37	0.00	3.48	24.70	133.16
4	-	6.17	3998.	7.68	14.71	37.19	0.00	6.62	12.17	45.08	1.12	0.00	4.51	17.60	42.83
5	-	5.59	3699.	7.93	12.64	32.79	0.00	7.75	11.52	39.23	1.04	0.00	5.01	17.64	36.97
6	-	6.36	4373.	7.80	13.48	36.10	0.00	10.41	12.40	45.53	1.34	0.00	5.56	24.26	39.85
7	-	5.84	3622.	7.45	11.37	30.17	0.00	10.98	10.45	37.22	0.89	0.00	5.28	11.06	43.23
8	-	5.54	3715.	7.45	10.43	28.38	0.00	7.98	15.30	35.57	1.09	0.00	5.82	18.75	35.41
9	-	6.00	4009.	7.53	12.96	34.37	0.00	8.32	12.88	42.20	1.17	0.00	5.43	19.62	39.44
10	-	5.47	3630.	7.39	10.37	28.00	0.00	9.85	13.07	35.11	0.70	0.00	5.55	17.50	35.59
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	4.95	3073.	7.46	12.19	31.16	0.00	6.30	9.11	33.83	0.85	0.00	5.23	9.46	35.36
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 13 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	8.54	5183.	7.44	15.06	38.23	0.00	12.54	16.17	57.05	1.47	0.00	3.66	14.52	69.05
3	-	8.76	5769.	7.65	16.43	42.39	0.00	11.59	18.25	63.48	1.47	0.00	3.99	26.92	63.88
4	-	9.55	6310.	7.80	18.41	49.23	0.00	13.94	16.18	71.42	1.64	0.00	5.03	27.44	70.72
5	-	9.23	6152.	8.21	19.19	49.34	0.00	17.75	10.05	71.54	0.62	0.00	4.19	28.49	67.28
6	-	7.64	5049.	8.11	16.61	43.43	0.00	10.84	13.00	57.35	0.84	0.00	4.88	23.13	54.04
7	-	6.00	4202.	8.12	13.67	36.76	0.00	8.69	12.09	44.06	1.10	0.00	6.07	26.26	33.72
8	-	5.08	3533.	8.16	11.75	30.52	0.00	9.90	8.72	35.85	0.95	0.04	5.05	21.63	28.79
9	-	5.72	3926.	8.33	12.06	31.50	0.00	8.84	13.17	40.01	0.84	0.37	4.40	23.82	34.27
10	-	6.63	4543.	8.05	12.55	33.74	0.00	10.91	15.79	45.85	1.00	0.78	4.36	26.00	42.41
11	-	6.56	4316.	7.98	15.57	38.11	0.00	8.72	11.42	49.42	0.52	0.49	3.17	22.89	43.46
12	-	7.65	4867.	7.86	14.71	36.29	0.00	12.58	13.94	53.57	0.57	0.04	3.22	20.29	57.03
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WUOB GALAA PS YEAR : 1980 CODE : 13
THE WATER QUALITY DATA DURING 1980 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	3.53	2087.	7.10	9.76	22.79	0.00	4.11	6.90	22.91	0.41	0.00	3.79	5.16	25.39
5	-	3.33	1980.	6.54	8.16	21.00	0.00	4.56	7.37	19.93	0.38	0.00	6.00	2.42	23.82
6	-	3.32	1978.	7.29	7.75	19.31	0.00	6.88	5.26	19.09	0.87	0.00	4.86	3.33	23.92
7	-	3.89	2382.	7.20	9.87	25.62	0.00	4.85	7.92	24.95	0.83	0.00	6.24	4.93	27.29
8	-	3.85	2442.	7.30	12.93	31.88	0.00	3.94	5.47	28.04	1.19	0.00	6.04	6.80	25.72
9	-	3.50	2247.	7.18	9.01	23.68	0.00	5.20	7.24	22.48	0.61	0.00	6.74	6.64	22.15
10	-	3.36	2081.	7.46	8.05	21.76	0.00	5.44	7.09	20.15	0.46	0.00	7.94	2.33	22.83
11	-	3.74	2581.	7.44	11.18	28.85	0.00	5.32	6.74	27.45	0.39	0.00	6.42	13.61	19.82
12	-	2.87	1962.	7.54	9.63	23.77	0.00	3.31	5.87	20.63	0.35	0.00	5.82	9.57	14.73
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	5.16	3498.	7.24	13.87	38.20	0.00	6.85	8.73	38.72	0.62	0.00	8.64	14.05	32.18
2	-	7.18	4351.	7.19	12.78	34.05	0.00	10.98	14.73	45.84	1.29	0.00	4.97	11.33	56.46
3	-	3.16	1833.	7.28	8.58	20.42	0.00	5.53	4.69	19.39	0.45	0.00	4.32	2.20	23.52
4	-	3.98	2491.	7.93	10.51	27.51	0.00	3.71	9.14	26.65	0.57	0.00	6.63	6.66	26.73
5	-	2.97	1907.	7.53	9.48	23.58	0.00	3.66	5.55	20.36	0.32	0.00	6.04	5.78	18.08
6	-	1.85	1177.	7.32	5.17	12.12	0.00	3.21	4.68	10.28	0.22	0.00	4.36	3.74	10.30
7	-	2.28	1375.	7.28	6.44	15.25	0.00	4.28	4.03	13.13	0.46	0.00	4.60	2.16	15.14
8	-	1.94	1198.	7.37	5.52	13.44	0.00	3.61	3.73	10.57	0.68	0.00	5.77	0.39	12.43
9	-	2.36	1444.	7.37	5.76	14.44	0.00	4.99	4.81	12.74	0.38	0.00	5.56	2.02	15.31
10	-	2.58	1665.	7.27	8.51	20.79	0.00	3.65	4.56	17.24	0.42	0.00	5.82	4.73	15.29
11	-	3.65	2273.	7.22	9.40	23.91	0.00	5.11	7.39	23.50	0.59	0.00	5.55	6.43	24.58
12	-	3.46	2076.	7.32	9.03	22.72	0.00	4.00	7.64	21.78	0.41	0.00	5.44	4.05	24.29
1981	-	3.15	1951.	7.32	8.54	21.45	0.00	4.64	6.19	19.87	0.50	0.00	5.59	4.70	20.88

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	2.79	1754.	7.50	5.98	15.09	0.00	8.45	3.97	14.91	0.49	0.00	4.92	4.99	17.91
2	-	3.12	1873.	7.97	5.95	15.33	0.00	8.47	5.64	15.80	0.55	0.00	5.14	3.28	21.97
3	-	2.84	1774.	7.64	5.99	15.13	0.00	5.12	7.71	15.18	0.57	0.00	4.85	5.89	17.74
4	-	3.17	2040.	7.11	10.04	24.58	0.00	3.97	5.62	22.03	0.52	0.00	5.35	7.32	19.42
5	-	3.09	1945.	7.23	9.71	23.98	0.00	4.52	4.76	20.92	0.52	0.00	5.80	4.98	19.83
6	-	3.13	2112.	7.23	9.64	24.29	0.00	5.12	5.13	21.83	0.55	0.00	6.07	9.08	17.44
7	-	3.41	2076.	7.20	8.94	22.14	0.00	4.64	7.08	21.64	0.33	0.00	4.92	5.42	23.33
8	-	2.80	1735.	7.29	7.78	19.18	0.00	3.66	6.38	17.43	0.43	0.00	5.21	5.15	17.56
9	-	2.47	1559.	7.51	7.50	18.15	0.00	3.28	5.25	15.49	0.48	0.00	5.23	4.19	15.10
10	-	2.57	1622.	7.23	7.60	17.92	0.00	2.71	6.46	16.26	0.35	0.00	4.34	6.09	15.38
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	3.82	2316.	6.82	10.57	25.92	0.00	5.10	6.40	25.33	0.75	0.00	4.87	5.43	27.30
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	4.42	2629.	7.29	10.61	27.64	0.00	5.97	8.19	28.22	0.74	0.00	6.06	3.89	33.18
3	-	3.43	2176.	7.48	10.10	24.04	0.00	4.77	6.03	23.47	0.51	0.00	4.27	8.49	22.02
4	-	3.03	1919.	7.35	9.40	22.49	0.00	5.74	3.78	20.50	0.29	0.00	4.75	6.41	19.15
5	-	3.18	2043.	7.72	13.20	29.79	0.00	3.95	2.97	24.57	0.40	0.00	4.70	7.72	19.47
6	-	3.83	2522.	7.66	15.79	36.11	0.00	3.62	3.93	30.66	0.74	0.00	4.91	13.18	20.78
7	-	3.08	2036.	7.44	10.88	25.47	0.00	4.05	4.65	22.68	0.32	0.00	4.63	10.00	17.00
8	-	2.69	1783.	7.61	10.03	23.40	0.00	4.35	3.33	19.66	0.18	0.03	4.84	7.86	14.78
9	-	2.57	1678.	7.75	7.81	18.44	0.00	3.59	5.63	16.78	0.39	0.23	4.11	7.82	14.22
10	-	2.89	1864.	7.31	8.54	21.04	0.00	4.19	5.76	19.04	0.40	0.08	5.24	6.76	17.24
11	-	3.03	1803.	7.59	8.24	19.19	0.00	4.16	6.34	18.88	0.19	0.00	3.76	4.80	20.93
12	-	3.09	1812.	7.65	7.47	16.84	0.00	4.32	7.50	18.15	0.19	0.00	2.94	5.35	21.84
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WU09 MAX PS YEAR : 1980 CODE : 13
THE WATER QUALITY DATA DURING 1980 ARE BASED ON 22 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	8.33	5572.	7.55	18.97	51.91	0.00	8.63	14.84	64.97	1.37	0.00	6.77	24.99	58.15
4	-	9.89	6289.	7.55	28.18	67.09	0.00	6.33	11.41	83.94	0.95	0.00	3.87	25.68	73.09
5	-	9.19	5393.	7.30	19.22	49.75	0.00	7.57	16.59	66.79	0.62	0.00	4.72	9.30	77.54
6	-	8.95	5219.	7.57	18.44	45.58	0.00	5.85	17.59	63.15	2.20	0.00	3.66	9.16	75.89
7	-	11.15	6933.	7.33	24.48	64.66	0.00	8.43	17.34	87.89	1.76	0.00	5.41	18.95	91.06
8	-	8.85	5642.	7.35	20.77	54.77	0.00	7.95	14.11	68.98	1.54	0.00	5.66	19.28	67.64
9	-	7.66	4941.	7.53	17.71	46.76	0.00	8.84	12.78	58.20	0.83	0.00	5.58	19.06	56.00
10	-	8.14	5092.	7.71	14.19	40.31	0.00	10.93	18.31	54.26	1.00	0.00	7.19	14.89	62.42
11	-	9.33	6553.	7.54	19.20	52.82	0.00	10.28	18.81	73.23	1.68	0.00	6.18	41.91	55.93
12	-	10.46	7079.	7.30	24.06	62.75	0.00	11.23	14.55	86.38	1.28	0.00	4.99	39.51	68.91
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	11.46	8016.	7.55	28.50	78.63	0.00	6.60	17.95	99.85	1.53	0.00	7.69	52.06	66.16
2	-	10.23	6546.	7.24	19.24	51.67	0.00	13.28	17.38	75.35	2.16	0.00	5.14	23.07	79.95
3	-	8.97	5415.	7.23	18.76	47.36	0.00	8.46	15.87	65.43	1.27	0.00	4.04	13.79	73.13
4	-	9.19	5942.	7.64	24.81	61.37	0.00	8.18	10.65	76.11	1.32	0.00	4.46	25.97	65.79
5	-	10.72	7172.	7.73	24.86	64.92	0.00	7.62	17.98	88.95	1.22	0.00	5.08	38.01	72.68
6	-	9.49	6452.	7.22	23.08	60.72	0.00	6.84	16.38	78.65	1.02	0.00	5.54	38.19	59.23
7	-	9.68	5800.	7.19	19.23	50.89	0.00	9.20	17.51	70.29	0.89	0.00	5.07	12.39	80.43
8	-	6.68	3896.	7.35	14.74	37.71	0.00	6.48	12.25	45.12	1.61	0.00	4.83	5.98	54.65
9	-	7.62	4794.	7.72	17.29	45.02	0.00	7.77	13.53	56.43	1.22	0.00	5.13	16.08	57.73
10	-	6.62	4015.	7.65	15.55	39.98	0.00	5.81	12.57	47.13	1.09	0.00	5.10	10.36	51.14
11	-	8.10	5380.	7.78	17.68	46.47	0.00	8.34	15.71	62.01	1.30	0.00	4.76	26.48	56.05
12	-	8.96	5415.	7.96	18.74	47.81	0.00	8.72	15.68	65.46	1.09	0.00	4.26	13.70	72.96
1981	-	8.74	5677.	7.49	20.18	52.64	0.00	7.91	15.16	68.54	1.29	0.00	5.12	22.86	64.91

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	13.86	8105.	8.17	34.57	85.55	0.00	8.93	13.12	114.77	0.79	0.00	4.40	8.90	124.30
2	-	12.68	7273.	8.24	25.39	66.97	0.00	9.78	18.46	95.40	1.11	0.00	5.14	5.48	114.07
3	-	8.13	4811.	7.87	15.19	39.89	0.00	8.50	17.20	54.43	1.32	0.00	4.73	9.97	66.67
4	-	8.36	5676.	7.83	20.57	52.62	0.00	7.58	14.00	67.57	1.16	0.00	4.76	34.37	51.25
5	-	7.62	4787.	7.50	18.16	46.36	0.00	7.39	12.73	57.61	1.07	0.00	4.78	16.34	57.68
6	-	7.90	5174.	7.41	19.03	49.12	0.00	7.20	13.82	61.68	1.29	0.00	5.02	23.37	55.51
7	-	8.84	5910.	7.58	20.42	53.24	0.00	8.06	15.54	70.15	1.52	0.00	5.04	30.70	59.48
8	-	8.47	5598.	7.30	18.66	48.86	0.00	7.16	17.40	65.37	1.31	0.00	4.97	26.29	59.96
9	-	8.52	5508.	7.63	21.13	54.09	0.00	7.05	13.58	67.86	1.35	0.00	4.94	22.40	62.47
10	-	7.50	4814.	7.39	16.88	42.94	0.00	7.27	14.87	56.15	0.85	0.00	4.36	19.90	54.84
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	6.76	4026.	7.31	14.74	36.65	0.00	7.70	11.33	45.46	2.57	0.00	4.08	8.75	54.21
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 13 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	9.45	5520.	7.78	17.94	45.64	0.00	12.30	14.46	65.61	1.41	0.00	3.98	8.88	80.92
3	-	9.22	5766.	7.78	19.91	49.08	0.00	9.44	15.21	69.90	1.30	0.00	3.57	19.68	72.61
4	-	9.59	6031.	7.71	22.37	56.27	0.00	9.20	13.68	75.67	1.24	0.00	4.26	19.85	73.68
5	-	8.83	5663.	8.29	26.18	62.79	0.00	6.08	10.07	74.37	1.09	0.00	4.20	24.98	62.44
6	-	8.93	5911.	8.30	27.18	66.72	0.00	5.97	10.03	76.87	1.00	0.00	4.83	32.73	56.41
7	-	9.29	6238.	8.13	23.17	59.19	0.00	7.24	14.70	76.77	1.12	0.08	4.72	35.63	59.45
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	9.47	6255.	8.28	22.47	56.56	0.00	4.34	19.26	77.19	1.01	0.50	3.71	33.82	63.70
10	-	8.78	5711.	8.32	19.61	48.91	0.00	7.15	17.36	68.66	0.89	0.81	2.99	27.12	63.13
11	-	10.00	6161.	8.38	19.35	47.68	0.00	9.90	19.21	73.81	0.92	0.51	2.74	19.81	80.84
12	-	6.38	4010.	8.33	11.25	27.55	0.00	10.11	15.82	40.49	0.51	0.08	2.95	17.40	46.50
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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الصرف ثم يجرى تصحيح لهذه القياسات بناءا على قياس كفاءة تلك المحطات بصفة دورية - وهذا هو أحد اوجه نشاط المشروع اعادة استخدام مياه الصرف .. وذلك بالنسبة للمصارف التى يتم رفع مياهها بواسطة محطات الطلمبات .

أما المصارف التى يتم صرف مياهها بالراحة فانه يجرى قياس تصرفاتها بالطرق المناسبة التى تخضع لاعتبارات أخرى .

أما دراسة نوعية مياه الصرف فانه يتم تجميع عينات المياه من مناطق القياس المختلفة - بصفة دورية - ويجرى تحليلها كيميائيا وتحليل نتائجها وفقا للمواصفات القياسية لنوعية المياه .

والغرض الاساسى فى هذا التقرير السنوى هو عرض لهذه البيانات الاساسية والمتاحة لدى معهد بحوث الصرف لاستخدامها ضمن المشروعات المختلفة - هذا الى جانب عرض مبسط عن وسائل القياس وطرق الحساب المستخدمة لاخراج هذه البيانات فى صورتها المذكورة ضمن هذا التقرير - كذلك فانه جدير بالذكر ان مايتعلق بنوعية مياه الصرف ومدى ملائمتها للاستخدام فى الرى فقد استخدم الاسس والمعايير والتى من خلالها يمكن توصيف وتصنيف هذه المياه حسب الاغراض المختلفة (كاستخدامها مباشرة فى اغراض الرى أو بعد خلطها مع نوعية مياه أخرى .. الخ) .

وفى حالة عدم كفاية البيانات المذكورة ضمن هذا التقرير فانه يمنصح باستشارة بنك المعلومات بمعهد بحوث الصرف حيث تتوافر كافة نتائج التحليل الكيميائى للعينات الممثلة لكل موقع .

* ملخـــــص :-

أن الزيـــادة المتطـردة فى اعداد السكان لابد مـــــن مجابهتهـا بانتاج المزيـد من الحبـوب والالياف - من جهـــــه - واستصلاح اراضى جديـدة بدلا من تلك التى استنزفت فى عمليـــات البنـاء والتشييـــد من جهـة أخـرى .

ولقد كانت استراتيجيـة اعادة استخدام مياه الصـــــرف أمـرا واردا - ضمن الاستراتيجيـات المقترحة لايجاد مصادر ميـــاه رى أضافيـة للاراضى التى سيتم استصلاحهـا .. وفى هذا المجـــال يجدر بنـا ان نذكـر ان الخطـة الخمسيـة ١٩٨٢ - ١٩٨٧ تتضمـــن استصلاح (٦٤٠ ٠٠٠) فدان والبدأ الفعلى فى التنفيـذ .

/ ويهـدف مشـروع اعادة استخدام مياه الصرف الى ايجـــاد البيانـات الاساسية على درجـة عاليـة من الدقـة والواقـــــع - والتـى يمكن استخدامهـا فى تلك الخطـة السالفة الذكر - لذلـك فقد تم اختيـار شبكـة قياس متكاملـة والتى من خلالها يمكن الحصول على تلك البيانـات الممثلـة لكل زمـام من مناطق الصـرف .

ان البيانـات اللازمـة لخطط استصلاح الاراضى متمثلـة فـــى كل من كميـات المياه المتاحـة ونوعيـة تلك المياه ومـــدى صلاحيتهـا ومناسبتهـا لعمليـات الاستصلاح والرى .. لذلك فـــأن كميـات ميـاه الصرف يتم الحصول عليها أولا من خلال قياســـات مصلحـة الميكانيكـا والكهربـاء بوزارة الرى لتصرفات محطـــات

٣ ـ المهندس / احمد محمد مرسى

٤ ـ المهندس / عادل عبد الرشيد سليمان

٥ ـ المهندس / محمد عزت حسن

٦ ـ المهندس / محمد ابراهيم لاشين

٧ ـ المهندس / مجدى عبد النبى

٨ ـ المهندس / نبيل فتحى قنديل

٩ ـ المهندس / محمد سعد عباس

١٠ـ المهندس / ميرفت محمد مصطفى الجندى

١١ ـ المهندسة / أميمة سعد شاهين

١٢ـ المهندسة / سفية محمد عباس

* فريق المعمل والقائمين بالتحليل الكيميائى :

١ ـ المهندسة / ليلى محمد حسن السيسى

٢ ـ المهندسة / عطيات أبو بكر

٣ ـ المهندس / جمال عبد الناصر كامل

٤ ـ المهندسة / سميرة سيد محروس

٥ ـ المهندسة / نصرة عبد اللة

* مقدمـــــــــــة :-

يهـدف هـذا التقرير الى القـاء الضوء والملاحظات علـــــى البيانات المتاحة حتى يمكن الاستعانـة بها فى وضع خطـــــط وبرامج اعادة استخدام مياه الصرف فى دلتـا نهر النيل ، كمـا يهـدف أيضـا الى أبـراز النواحى الفنيـة الممكنة فى أيجـــاد تلك الوسائـــل .

* الفريق البحثى للمشـــروع :-

مدير المشـــروع :

د.م / محمـد محمـود جاســـــــــــــــر

د. / ب . أ . ريتمـــــــــــــــــا

رئيس الشعبـــة :

د. / سامية محمـود سعد الدين الجنـــــــدى

د.م / ضيـاء الدين احمد حسين القوصـــــــى

* الخبراء الهولنديـن المقيميـــن :

* المستـــر / ديتمـــر بولـــــــــــز

* المستـر / مارين ماسكنـــــــــــت

* المستـــر / هاندريك بانتـــــــــزدورب

* للمستـــر / روبـرت سميـــــــــت

* الفريق المصرى للمشـــــــــروع :

١ - الدكتـور / محمـد احمـد عبد الخالـــــــــق

٢ - الدكتورة / شادين عبد الجـــــــــواد

مشروع اعاده أستخدام مياه الصرف نشاط مشترك بين :-

معهد بحوث الصرف - الجيزه - جمهوريه مصر العربية

ومعهد بحوث اداره الاراضى والمياة - فاجننجن - هولندا

وتعتبر الجهه الممولة للمشروع وزاره الرى بجهوريه مصر العربية ووزاره العلاقات الخارجيه بهولندا فى أطار البرنامج المشترك للتعاون الفنى بين مصر وهولندا .

ويعمل المجلس الاستشارى المصرى الهولندى كهيئه مشرفة .

نتائج الدراسات التى تمت خلال هذا المشروع ستعرض اما فى تقارير مبدئية او تقارير نهائيه . حيث ان محتويات التقارير المبدئيه ممكن تختلف بشدة من تقديم مبسط للبيانات او مناقشات لنتائج وخلاصات بحثيه .

الاراء والتوصيات الموجوده فى التقارير السابقه تعتبر اراء المؤلف فقط وليس لها علاقه بالمعاهد اوالوزارات المعنية .

مشروع اعادة استخدام مياة الصرف

تقرير رقم ١٠

الكتاب السنوى
غرب شرق الدلتا ١٩٨٠ـ١٩٨٣
التصرفات والتحاليل الكيماويه لمياه الصرف

الفريق البحثى

١٩٨٦

معهد بحوث الصرف مركز البحوث المائية ج. م. ع.

معهد بحوث ادارة الاراضى والمياة
واخننجن، هولندا

بسم الله الرحمن الرحيم

"وجعلنا من الماء كل شى حى"

صدق الله العظيم